

Symbol	Typ	Titel
B	Sektion	PERFORMING OPERATIONS; TRANSPORTING
B31	Klasse	MAKING PAPER ARTICLES; WORKING PAPER (making layered products not composed wholly of paper or cardboard B32B; handling thin material, e.g. sheets, webs, B65H)
B31B	Unterklasse	MAKING BOXES, CARTONS, ENVELOPES, OR BAGS (incising, scoring, in general B26D 3/08; combined making and filling B65B)
B31B 1/00	Hauptgruppe	Box, carton, envelope or bag making machinery characterised by performing specific operations (machinery for performing operations of general application, see the appropriate subclasses)
B31B 1/02	1-Punkt Untergruppe	. Feeding or positioning sheets, blanks, or webs
B31B 1/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 1/06	3-Punkt Untergruppe	. . . from stacks
B31B 1/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 1/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 1/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 1/14	1-Punkt Untergruppe	. Cutting, e.g. perforating, punching, slitting, trimming
B31B 1/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 1/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 1/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 1/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 1/24	3-Punkt Untergruppe	. . . Making window openings
B31B 1/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 1/26	1-Punkt Untergruppe	. Folding sheets, blanks, or webs
B31B 1/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 1/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 1/32	4-Punkt Untergruppe	 in circular paths
B31B 1/34	4-Punkt Untergruppe	 about their own axes
B31B 1/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 1/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 1/40	4-Punkt Untergruppe	 acting internally
B31B 1/42	4-Punkt Untergruppe	 acting externally
B31B 1/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 1/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 1/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 1/50	5-Punkt Untergruppe	 by interengaging tongues and slots

Symbol	Typ	Titel
B31B 1/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 1/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 1/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 1/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 1/60	1-Punkt Untergruppe	. Uniting opposed surfaces or edges; Taping
B31B 1/62	2-Punkt Untergruppe	. . by adhesives
B31B 1/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 1/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 1/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 1/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 1/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 1/74	1-Punkt Untergruppe	. Auxiliary operations
B31B 1/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 1/78	3-Punkt Untergruppe	. . . mechanically
B31B 1/80	3-Punkt Untergruppe	. . . pneumatically
B31B 1/82	2-Punkt Untergruppe	. . Attaching windows
B31B 1/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 1/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 1/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 1/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 1/92	2-Punkt Untergruppe	. . Delivering
B31B 1/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 1/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 1/98	3-Punkt Untergruppe	. . . in stacks or bundles
		<u>Machinery for making boxes or cartons</u>
B31B 3/00	Hauptgruppe	Machinery characterised by making boxes or cartons by folding single-piece sheets, blanks, or webs (B31B 5/00 takes precedence)
B31B 3/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 3/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 3/06	3-Punkt Untergruppe	. . . from stacks
B31B 3/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 3/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 3/12	2-Punkt Untergruppe	. . by air pressure or suction

Symbol	Typ	Titel
B31B 3/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 3/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 3/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 3/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 3/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 3/24	3-Punkt Untergruppe	. . . Making window openings
B31B 3/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 3/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 3/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 3/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 3/32	4-Punkt Untergruppe	 in circular paths
B31B 3/34	4-Punkt Untergruppe	 about their own axes
B31B 3/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 3/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 3/40	4-Punkt Untergruppe	 acting internally
B31B 3/42	4-Punkt Untergruppe	 acting externally
B31B 3/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 3/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 3/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 3/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 3/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 3/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 3/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 3/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 3/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 3/62	2-Punkt Untergruppe	. . by adhesives
B31B 3/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 3/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 3/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 3/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 3/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 3/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations

Symbol	Typ	Titel
B31B 3/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 3/78	3-Punkt Untergruppe	. . . mechanically
B31B 3/80	3-Punkt Untergruppe	. . . pneumatically
B31B 3/82	2-Punkt Untergruppe	. . Attaching windows
B31B 3/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 3/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 3/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 3/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 3/92	2-Punkt Untergruppe	. . Delivering
B31B 3/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 3/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 3/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 5/00	Hauptgruppe	Machinery characterised by making boxes or cartons by folding single-piece sheets which can be set-up from a collapsed condition, including setting-up and recollapsing to break creases
B31B 5/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets
B31B 5/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 5/06	3-Punkt Untergruppe	. . . from stacks
B31B 5/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 5/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 5/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 5/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 5/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 5/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 5/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 5/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 5/24	3-Punkt Untergruppe	. . . Making window openings
B31B 5/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 5/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 5/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 5/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 5/32	4-Punkt Untergruppe	 in circular paths
B31B 5/34	4-Punkt Untergruppe	 about their own axes

Symbol	Typ	Titel
B31B 5/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 5/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 5/40	4-Punkt Untergruppe	 acting internally
B31B 5/42	4-Punkt Untergruppe	 acting externally
B31B 5/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 5/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 5/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 5/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 5/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 5/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 5/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 5/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 5/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 5/62	2-Punkt Untergruppe	. . by adhesives
B31B 5/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 5/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 5/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 5/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 5/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 5/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 5/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 5/78	3-Punkt Untergruppe	. . . mechanically
B31B 5/80	3-Punkt Untergruppe	. . . pneumatically
B31B 5/82	2-Punkt Untergruppe	. . Attaching windows
B31B 5/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 5/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 5/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 5/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 5/92	2-Punkt Untergruppe	. . Delivering
B31B 5/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 5/96	4-Punkt Untergruppe	 in overlapping arrangement

Symbol	Typ	Titel
B31B 5/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 7/00	Hauptgruppe	Machinery characterised by making lined or internally-reinforced boxes or cartons (B31B 11/00 takes precedence)
B31B 7/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 7/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 7/06	3-Punkt Untergruppe	. . . from stacks
B31B 7/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 7/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 7/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 7/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 7/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 7/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 7/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 7/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 7/24	3-Punkt Untergruppe	. . . Making window openings
B31B 7/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 7/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 7/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 7/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 7/32	4-Punkt Untergruppe	 in circular paths
B31B 7/34	4-Punkt Untergruppe	 about their own axes
B31B 7/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 7/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 7/40	4-Punkt Untergruppe	 acting internally
B31B 7/42	4-Punkt Untergruppe	 acting externally
B31B 7/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 7/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 7/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 7/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 7/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 7/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 7/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 7/58	2-Punkt Untergruppe	. . by moving endless belts

Symbol	Typ	Titel
B31B 7/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 7/62	2-Punkt Untergruppe	. . by adhesives
B31B 7/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 7/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 7/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 7/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 7/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 7/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 7/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 7/78	3-Punkt Untergruppe	. . . mechanically
B31B 7/80	3-Punkt Untergruppe	. . . pneumatically
B31B 7/82	2-Punkt Untergruppe	. . Attaching windows
B31B 7/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 7/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 7/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 7/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 7/92	2-Punkt Untergruppe	. . Delivering
B31B 7/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 7/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 7/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 9/00	Hauptgruppe	Machinery characterised by making boxes or cartons having shouldered walls
B31B 9/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 9/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 9/06	3-Punkt Untergruppe	. . . from stacks
B31B 9/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 9/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 9/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 9/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 9/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 9/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 9/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 9/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps

Symbol	Typ	Titel
B31B 9/24	3-Punkt Untergruppe	. . . Making window openings
B31B 9/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 9/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 9/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 9/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 9/32	4-Punkt Untergruppe	 in circular paths
B31B 9/34	4-Punkt Untergruppe	 about their own axes
B31B 9/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 9/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 9/40	4-Punkt Untergruppe	 acting internally
B31B 9/42	4-Punkt Untergruppe	 acting externally
B31B 9/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 9/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 9/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 9/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 9/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 9/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 9/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 9/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 9/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 9/62	2-Punkt Untergruppe	. . by adhesives
B31B 9/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 9/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 9/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 9/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 9/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 9/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 9/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 9/78	3-Punkt Untergruppe	. . . mechanically
B31B 9/80	3-Punkt Untergruppe	. . . pneumatically
B31B 9/82	2-Punkt Untergruppe	. . Attaching windows
B31B 9/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)

Symbol	Typ	Titel
B31B 9/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 9/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 9/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 9/92	2-Punkt Untergruppe	. . Delivering
B31B 9/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 9/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 9/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 11/00	Hauptgruppe	Machinery characterised by making boxes or cartons having partitions or like inserts not integral with walls (making partitions, inserts, or reinforcements for boxes or cartons B31D)
B31B 11/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 11/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 11/06	3-Punkt Untergruppe	. . . from stacks
B31B 11/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 11/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 11/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 11/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 11/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 11/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 11/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 11/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 11/24	3-Punkt Untergruppe	. . . Making window openings
B31B 11/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 11/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 11/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 11/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 11/32	4-Punkt Untergruppe	 in circular paths
B31B 11/34	4-Punkt Untergruppe	 about their own axes
B31B 11/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 11/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 11/40	4-Punkt Untergruppe	 acting internally
B31B 11/42	4-Punkt Untergruppe	 acting externally
B31B 11/44	2-Punkt Untergruppe	. . by plungers moving through folding dies

Symbol	Typ	Titel
B31B 11/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 11/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 11/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 11/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 11/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 11/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 11/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 11/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 11/62	2-Punkt Untergruppe	. . by adhesives
B31B 11/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 11/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 11/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 11/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 11/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 11/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 11/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 11/78	3-Punkt Untergruppe	. . . mechanically
B31B 11/80	3-Punkt Untergruppe	. . . pneumatically
B31B 11/82	2-Punkt Untergruppe	. . Attaching windows
B31B 11/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 11/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 11/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 11/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 11/92	2-Punkt Untergruppe	. . Delivering
B31B 11/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 11/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 11/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 13/00	Hauptgruppe	Machinery characterised by assembling drawer-and-shell boxes or cartons
B31B 13/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 13/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 13/06	3-Punkt Untergruppe	. . . from stacks
B31B 13/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations

Symbol	Typ	Titel
B31B 13/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 13/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 13/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 13/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 13/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 13/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 13/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 13/24	3-Punkt Untergruppe	. . . Making window openings
B31B 13/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 13/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 13/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 13/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 13/32	4-Punkt Untergruppe	 in circular paths
B31B 13/34	4-Punkt Untergruppe	 about their own axes
B31B 13/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 13/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 13/40	4-Punkt Untergruppe	 acting internally
B31B 13/42	4-Punkt Untergruppe	 acting externally
B31B 13/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 13/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 13/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 13/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 13/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 13/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 13/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 13/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 13/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 13/62	2-Punkt Untergruppe	. . by adhesives
B31B 13/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 13/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 13/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 13/70	3-Punkt Untergruppe	. . . by corner stapling

Symbol	Typ	Titel
B31B 13/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 13/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 13/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 13/78	3-Punkt Untergruppe	. . . mechanically
B31B 13/80	3-Punkt Untergruppe	. . . pneumatically
B31B 13/82	2-Punkt Untergruppe	. . Attaching windows
B31B 13/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 13/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 13/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 13/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 13/92	2-Punkt Untergruppe	. . Delivering
B31B 13/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 13/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 13/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 15/00	Hauptgruppe	Machinery characterised by making covered or externally-reinforced boxes or cartons
B31B 15/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 15/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 15/06	3-Punkt Untergruppe	. . . from stacks
B31B 15/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 15/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 15/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 15/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 15/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 15/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 15/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 15/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 15/24	3-Punkt Untergruppe	. . . Making window openings
B31B 15/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 15/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 15/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 15/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 15/32	4-Punkt Untergruppe	 in circular paths

Symbol	Typ	Titel
B31B 15/34	4-Punkt Untergruppe	 about their own axes
B31B 15/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 15/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 15/40	4-Punkt Untergruppe	 acting internally
B31B 15/42	4-Punkt Untergruppe	 acting externally
B31B 15/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 15/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 15/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 15/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 15/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 15/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 15/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 15/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 15/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 15/62	2-Punkt Untergruppe	. . by adhesives
B31B 15/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 15/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 15/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 15/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 15/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 15/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 15/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 15/78	3-Punkt Untergruppe	. . . mechanically
B31B 15/80	3-Punkt Untergruppe	. . . pneumatically
B31B 15/82	2-Punkt Untergruppe	. . Attaching windows
B31B 15/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 15/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 15/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 15/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 15/92	2-Punkt Untergruppe	. . Delivering
B31B 15/94	3-Punkt Untergruppe	. . . singly or in succession

Symbol	Typ	Titel
B31B 15/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 15/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 17/00	Hauptgruppe	Machinery characterised by making other boxes or cartons by assembling several separate sheets, blanks, or webs
B31B 17/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 17/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 17/06	3-Punkt Untergruppe	. . . from stacks
B31B 17/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 17/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 17/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 17/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 17/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 17/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 17/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 17/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 17/24	3-Punkt Untergruppe	. . . Making window openings
B31B 17/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 17/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 17/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 17/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 17/32	4-Punkt Untergruppe	 in circular paths
B31B 17/34	4-Punkt Untergruppe	 about their own axes
B31B 17/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 17/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 17/40	4-Punkt Untergruppe	 acting internally
B31B 17/42	4-Punkt Untergruppe	 acting externally
B31B 17/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 17/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 17/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 17/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 17/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 17/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 17/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades

Symbol	Typ	Titel
B31B 17/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 17/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 17/62	2-Punkt Untergruppe	. . by adhesives
B31B 17/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 17/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 17/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 17/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 17/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 17/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 17/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 17/78	3-Punkt Untergruppe	. . . mechanically
B31B 17/80	3-Punkt Untergruppe	. . . pneumatically
B31B 17/82	2-Punkt Untergruppe	. . Attaching windows
B31B 17/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 17/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 17/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 17/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 17/92	2-Punkt Untergruppe	. . Delivering
B31B 17/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 17/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 17/98	3-Punkt Untergruppe	. . . in stacks or bundles
		<u>Machinery for making envelopes or bags</u>
B31B 19/00	Hauptgruppe	Machinery characterised by making rectangular envelopes or bags of flat form, i.e. without structural provision at the base for thickness of contents (B31B 21/00 , B31B 23/00 take precedence)
B31B 19/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 19/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 19/06	3-Punkt Untergruppe	. . . from stacks
B31B 19/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 19/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 19/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 19/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 19/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks

Symbol	Typ	Titel
B31B 19/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 19/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 19/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 19/24	3-Punkt Untergruppe	. . . Making window openings
B31B 19/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 19/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 19/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 19/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 19/32	4-Punkt Untergruppe	 in circular paths
B31B 19/34	4-Punkt Untergruppe	 about their own axes
B31B 19/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 19/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 19/40	4-Punkt Untergruppe	 acting internally
B31B 19/42	4-Punkt Untergruppe	 acting externally
B31B 19/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 19/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 19/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 19/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 19/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 19/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 19/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 19/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 19/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 19/62	2-Punkt Untergruppe	. . by adhesives
B31B 19/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 19/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 19/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 19/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 19/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 19/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 19/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 19/78	3-Punkt Untergruppe	. . . mechanically

Symbol	Typ	Titel
B31B 19/80	3-Punkt Untergruppe	. . . pneumatically
B31B 19/82	2-Punkt Untergruppe	. . Attaching windows
B31B 19/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 19/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 19/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 19/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 19/92	2-Punkt Untergruppe	. . Delivering
B31B 19/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 19/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 19/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 21/00	Hauptgruppe	Machinery characterised by making rectangular envelopes or bags of flat form, i.e. without structural provision at the base for thickness of contents, from sheets or blanks, e.g. from flattened tubes
B31B 21/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets or blanks
B31B 21/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 21/06	3-Punkt Untergruppe	. . . from stacks
B31B 21/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 21/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 21/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 21/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 21/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 21/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 21/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 21/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 21/24	3-Punkt Untergruppe	. . . Making window openings
B31B 21/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 21/26	1-Punkt Untergruppe	. and having means for folding sheets or blanks
B31B 21/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 21/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 21/32	4-Punkt Untergruppe	 in circular paths
B31B 21/34	4-Punkt Untergruppe	 about their own axes
B31B 21/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 21/38	3-Punkt Untergruppe	. . . the members being forming-tubes

Symbol	Typ	Titel
B31B 21/40	4-Punkt Untergruppe	 acting internally
B31B 21/42	4-Punkt Untergruppe	 acting externally
B31B 21/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 21/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 21/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 21/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 21/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 21/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 21/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 21/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 21/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 21/62	2-Punkt Untergruppe	. . by adhesives
B31B 21/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 21/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 21/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 21/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 21/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 21/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 21/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 21/78	3-Punkt Untergruppe	. . . mechanically
B31B 21/80	3-Punkt Untergruppe	. . . pneumatically
B31B 21/82	2-Punkt Untergruppe	. . Attaching windows
B31B 21/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 21/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 21/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 21/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 21/92	2-Punkt Untergruppe	. . Delivering
B31B 21/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 21/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 21/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 23/00	Hauptgruppe	Machinery characterised by making rectangular envelopes or bags of flat form, i.e. without structural provision at the base for thickness of contents, from webs, e.g. from flattened tubular webs (machinery characterised by cutting sheets or blanks from webs and working them to form

Symbol	Typ	Titel
such envelopes or bags B31B 21/00)		
B31B 23/02	1-Punkt Untergruppe	. and having means for feeding or positioning webs
B31B 23/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 23/06	3-Punkt Untergruppe	. . . from stacks
B31B 23/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 23/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 23/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 23/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 23/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 23/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 23/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 23/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 23/24	3-Punkt Untergruppe	. . . Making window openings
B31B 23/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 23/26	1-Punkt Untergruppe	. and having means for folding webs
B31B 23/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 23/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 23/32	4-Punkt Untergruppe	 in circular paths
B31B 23/34	4-Punkt Untergruppe	 about their own axes
B31B 23/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 23/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 23/40	4-Punkt Untergruppe	 acting internally
B31B 23/42	4-Punkt Untergruppe	 acting externally
B31B 23/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 23/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 23/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 23/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 23/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 23/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 23/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 23/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 23/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping

Symbol	Typ	Titel
B31B 23/62	2-Punkt Untergruppe	. . by adhesives
B31B 23/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 23/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 23/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 23/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 23/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 23/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 23/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 23/78	3-Punkt Untergruppe	. . . mechanically
B31B 23/80	3-Punkt Untergruppe	. . . pneumatically
B31B 23/82	2-Punkt Untergruppe	. . Attaching windows
B31B 23/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 23/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 23/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 23/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 23/92	2-Punkt Untergruppe	. . Delivering
B31B 23/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 23/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 23/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 25/00	Hauptgruppe	Machinery characterised by making pointed or tapered envelopes or bags
B31B 25/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 25/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 25/06	3-Punkt Untergruppe	. . . from stacks
B31B 25/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 25/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 25/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 25/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 25/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 25/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 25/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 25/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 25/24	3-Punkt Untergruppe	. . . Making window openings

Symbol	Typ	Titel
B31B 25/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 25/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 25/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 25/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 25/32	4-Punkt Untergruppe	 in circular paths
B31B 25/34	4-Punkt Untergruppe	 about their own axes
B31B 25/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 25/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 25/40	4-Punkt Untergruppe	 acting internally
B31B 25/42	4-Punkt Untergruppe	 acting externally
B31B 25/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 25/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 25/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 25/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 25/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 25/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 25/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 25/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 25/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 25/62	2-Punkt Untergruppe	. . by adhesives
B31B 25/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 25/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 25/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 25/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 25/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 25/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 25/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 25/78	3-Punkt Untergruppe	. . . mechanically
B31B 25/80	3-Punkt Untergruppe	. . . pneumatically
B31B 25/82	2-Punkt Untergruppe	. . Attaching windows
B31B 25/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)

Symbol	Typ	Titel
B31B 25/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 25/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 25/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 25/92	2-Punkt Untergruppe	. . Delivering
B31B 25/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 25/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 25/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 27/00	Hauptgruppe	Machinery characterised by making interconnected envelopes or bags
B31B 27/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 27/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 27/06	3-Punkt Untergruppe	. . . from stacks
B31B 27/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 27/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 27/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 27/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 27/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 27/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 27/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 27/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 27/24	3-Punkt Untergruppe	. . . Making window openings
B31B 27/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 27/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 27/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 27/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 27/32	4-Punkt Untergruppe	 in circular paths
B31B 27/34	4-Punkt Untergruppe	 about their own axes
B31B 27/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 27/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 27/40	4-Punkt Untergruppe	 acting internally
B31B 27/42	4-Punkt Untergruppe	 acting externally
B31B 27/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 27/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement

Symbol	Typ	Titel
B31B 27/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 27/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 27/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 27/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 27/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 27/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 27/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 27/62	2-Punkt Untergruppe	. . by adhesives
B31B 27/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 27/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 27/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 27/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 27/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 27/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 27/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 27/78	3-Punkt Untergruppe	. . . mechanically
B31B 27/80	3-Punkt Untergruppe	. . . pneumatically
B31B 27/82	2-Punkt Untergruppe	. . Attaching windows
B31B 27/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 27/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 27/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 27/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 27/92	2-Punkt Untergruppe	. . Delivering
B31B 27/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 27/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 27/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 29/00	Hauptgruppe	Machinery characterised by making envelopes or bags with structural provision at the base for thickness or contents (B31B 31/00 to B31B 37/00 take precedence)
B31B 29/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 29/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 29/06	3-Punkt Untergruppe	. . . from stacks
B31B 29/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations

Symbol	Typ	Titel
B31B 29/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 29/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 29/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 29/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 29/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 29/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 29/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 29/24	3-Punkt Untergruppe	. . . Making window openings
B31B 29/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 29/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks, or webs
B31B 29/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 29/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 29/32	4-Punkt Untergruppe	 in circular paths
B31B 29/34	4-Punkt Untergruppe	 about their own axes
B31B 29/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 29/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 29/40	4-Punkt Untergruppe	 acting internally
B31B 29/42	4-Punkt Untergruppe	 acting externally
B31B 29/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 29/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 29/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 29/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 29/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 29/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 29/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 29/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 29/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 29/62	2-Punkt Untergruppe	. . by adhesives
B31B 29/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 29/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 29/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 29/70	3-Punkt Untergruppe	. . . by corner stapling

Symbol	Typ	Titel
B31B 29/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 29/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 29/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 29/78	3-Punkt Untergruppe	. . . mechanically
B31B 29/80	3-Punkt Untergruppe	. . . pneumatically
B31B 29/82	2-Punkt Untergruppe	. . Attaching windows
B31B 29/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 29/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 29/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 29/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 29/92	2-Punkt Untergruppe	. . Delivering
B31B 29/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 29/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 29/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 31/00	Hauptgruppe	Machinery characterised by making envelopes or bags with structural provision at the base for thickness of contents, from sheets or blanks, e.g. from flattened tubes (B31B 33/00 , B31B 35/00 take precedence)
B31B 31/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets or blanks
B31B 31/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 31/06	3-Punkt Untergruppe	. . . from stacks
B31B 31/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 31/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 31/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 31/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 31/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 31/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 31/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 31/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 31/24	3-Punkt Untergruppe	. . . Making window openings
B31B 31/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 31/26	1-Punkt Untergruppe	. and having means for folding sheets or blanks
B31B 31/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 31/30	3-Punkt Untergruppe	. . . the mandrels moving

Symbol	Typ	Titel
B31B 31/32	4-Punkt Untergruppe	 in circular paths
B31B 31/34	4-Punkt Untergruppe	 about their own axes
B31B 31/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 31/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 31/40	4-Punkt Untergruppe	 acting internally
B31B 31/42	4-Punkt Untergruppe	 acting externally
B31B 31/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 31/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 31/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 31/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 31/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 31/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 31/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 31/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 31/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 31/62	2-Punkt Untergruppe	. . by adhesives
B31B 31/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 31/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 31/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 31/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 31/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 31/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 31/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 31/78	3-Punkt Untergruppe	. . . mechanically
B31B 31/80	3-Punkt Untergruppe	. . . pneumatically
B31B 31/82	2-Punkt Untergruppe	. . Attaching windows
B31B 31/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 31/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 31/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 31/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 31/92	2-Punkt Untergruppe	. . Delivering

Symbol	Typ	Titel
B31B 31/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 31/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 31/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 33/00	Hauptgruppe	Machinery characterised by making envelopes or bags with structural provision at the base for thickness of contents, from sheets or blanks, e.g. from flattened tubes, the longitudinal axes of the envelopes or bags being parallel to the direction in which the sheets or blanks are fed
B31B 33/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets or blanks
B31B 33/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 33/06	3-Punkt Untergruppe	. . . from stacks
B31B 33/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 33/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 33/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 33/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 33/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 33/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 33/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 33/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 33/24	3-Punkt Untergruppe	. . . Making window openings
B31B 33/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 33/26	1-Punkt Untergruppe	. and having means for folding sheets or blanks
B31B 33/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 33/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 33/32	4-Punkt Untergruppe	 in circular paths
B31B 33/34	4-Punkt Untergruppe	 about their own axes
B31B 33/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 33/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 33/40	4-Punkt Untergruppe	 acting internally
B31B 33/42	4-Punkt Untergruppe	 acting externally
B31B 33/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 33/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 33/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 33/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 33/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies

Symbol	Typ	Titel
B31B 33/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 33/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 33/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 33/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 33/62	2-Punkt Untergruppe	. . by adhesives
B31B 33/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 33/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 33/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 33/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 33/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 33/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 33/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 33/78	3-Punkt Untergruppe	. . . mechanically
B31B 33/80	3-Punkt Untergruppe	. . . pneumatically
B31B 33/82	2-Punkt Untergruppe	. . Attaching windows
B31B 33/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 33/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 33/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 33/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 33/92	2-Punkt Untergruppe	. . Delivering
B31B 33/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 33/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 33/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 35/00	Hauptgruppe	Machinery characterised by making envelopes or bags with structural provision at the base for thickness of contents, from sheets or blanks, e.g. from flattened tubes, the longitudinal axes of the envelopes or bags being perpendicular to the direction in which the sheets or blanks are fed
B31B 35/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets or blanks
B31B 35/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 35/06	3-Punkt Untergruppe	. . . from stacks
B31B 35/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 35/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 35/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 35/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming

Symbol	Typ	Titel
B31B 35/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 35/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 35/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 35/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 35/24	3-Punkt Untergruppe	. . . Making window openings
B31B 35/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 35/26	1-Punkt Untergruppe	. and having means for folding sheets or blanks
B31B 35/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 35/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 35/32	4-Punkt Untergruppe	 in circular paths
B31B 35/34	4-Punkt Untergruppe	 about their own axes
B31B 35/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 35/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 35/40	4-Punkt Untergruppe	 acting internally
B31B 35/42	4-Punkt Untergruppe	 acting externally
B31B 35/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 35/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 35/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 35/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 35/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 35/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 35/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 35/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 35/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 35/62	2-Punkt Untergruppe	. . by adhesives
B31B 35/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 35/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 35/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 35/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 35/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 35/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 35/76	2-Punkt Untergruppe	. . Opening and distending flattened articles

Symbol	Typ	Titel
B31B 35/78	3-Punkt Untergruppe	. . . mechanically
B31B 35/80	3-Punkt Untergruppe	. . . pneumatically
B31B 35/82	2-Punkt Untergruppe	. . Attaching windows
B31B 35/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 35/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 35/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 35/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 35/92	2-Punkt Untergruppe	. . Delivering
B31B 35/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 35/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 35/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 37/00	Hauptgruppe	Machinery characterised by making envelopes or bags with structural provision at the base for thickness of contents, from webs, e.g. from tubular webs (machinery characterised by cutting sheets or blanks from webs and working them to form such envelopes or bags B31B 31/00)
B31B 37/02	1-Punkt Untergruppe	. and having means for feeding or positioning webs
B31B 37/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 37/06	3-Punkt Untergruppe	. . . from stacks
B31B 37/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 37/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 37/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 37/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 37/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 37/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 37/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 37/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 37/24	3-Punkt Untergruppe	. . . Making window openings
B31B 37/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 37/26	1-Punkt Untergruppe	. and having means for folding webs
B31B 37/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 37/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 37/32	4-Punkt Untergruppe	 in circular paths
B31B 37/34	4-Punkt Untergruppe	 about their own axes
B31B 37/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores

Symbol	Typ	Titel
B31B 37/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 37/40	4-Punkt Untergruppe	 acting internally
B31B 37/42	4-Punkt Untergruppe	 acting externally
B31B 37/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 37/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 37/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 37/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 37/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 37/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 37/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 37/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 37/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 37/62	2-Punkt Untergruppe	. . by adhesives
B31B 37/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 37/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 37/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 37/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 37/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 37/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 37/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 37/78	3-Punkt Untergruppe	. . . mechanically
B31B 37/80	3-Punkt Untergruppe	. . . pneumatically
B31B 37/82	2-Punkt Untergruppe	. . Attaching windows
B31B 37/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 37/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 37/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 37/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 37/92	2-Punkt Untergruppe	. . Delivering
B31B 37/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 37/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 37/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 39/00	Hauptgruppe	Machinery characterised by making lined envelopes or bags

Symbol	Typ	Titel
B31B 39/02	1-Punkt Untergruppe	. and having means for feed or positioning sheets, blanks, or webs
B31B 39/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 39/06	3-Punkt Untergruppe	. . . from stacks
B31B 39/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 39/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 39/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 39/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 39/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 39/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 39/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 39/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 39/24	3-Punkt Untergruppe	. . . Making window openings
B31B 39/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]
B31B 39/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks or webs
B31B 39/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 39/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 39/32	4-Punkt Untergruppe	 in circular paths
B31B 39/34	4-Punkt Untergruppe	 about their own axes
B31B 39/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 39/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 39/40	4-Punkt Untergruppe	 acting internally
B31B 39/42	4-Punkt Untergruppe	 acting externally
B31B 39/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 39/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 39/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 39/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 39/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 39/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 39/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 39/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 39/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 39/62	2-Punkt Untergruppe	. . by adhesives

Symbol	Typ	Titel
B31B 39/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 39/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 39/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 39/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 39/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 39/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 39/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 39/78	3-Punkt Untergruppe	. . . mechanically
B31B 39/80	3-Punkt Untergruppe	. . . pneumatically
B31B 39/82	2-Punkt Untergruppe	. . Attaching windows
B31B 39/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 39/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)
B31B 39/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 39/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 39/92	2-Punkt Untergruppe	. . Delivering
B31B 39/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 39/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 39/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 41/00	Hauptgruppe	Machinery characterised by making envelopes or bags of other specific form or construction
B31B 41/02	1-Punkt Untergruppe	. and having means for feeding or positioning sheets, blanks, or webs
B31B 41/04	2-Punkt Untergruppe	. . Feeding sheets or blanks
B31B 41/06	3-Punkt Untergruppe	. . . from stacks
B31B 41/08	3-Punkt Untergruppe	. . . during envelope- or bag-making operations
B31B 41/10	2-Punkt Untergruppe	. . Feeding or positioning webs
B31B 41/12	2-Punkt Untergruppe	. . by air pressure or suction
B31B 41/14	1-Punkt Untergruppe	. and having means for cutting, e.g. perforating, punching, slitting, trimming
B31B 41/16	2-Punkt Untergruppe	. . Cutting webs to form sheets or blanks
B31B 41/18	2-Punkt Untergruppe	. . Slitting webs longitudinally
B31B 41/20	2-Punkt Untergruppe	. . Cutting sheets or blanks
B31B 41/22	3-Punkt Untergruppe	. . . Notching; Trimming edges of flaps
B31B 41/24	3-Punkt Untergruppe	. . . Making window openings
B31B 41/25	1-Punkt Untergruppe	. Surface scoring (cutting through material B31B 1/14) [2]

Symbol	Typ	Titel
B31B 41/26	1-Punkt Untergruppe	. and having means for folding sheets, blanks or webs
B31B 41/28	2-Punkt Untergruppe	. . around mandrels, including bottom-forming operations
B31B 41/30	3-Punkt Untergruppe	. . . the mandrels moving
B31B 41/32	4-Punkt Untergruppe	 in circular paths
B31B 41/34	4-Punkt Untergruppe	 about their own axes
B31B 41/36	2-Punkt Untergruppe	. . by continuously feeding same to stationary members, e.g. plates, ploughs, cores
B31B 41/38	3-Punkt Untergruppe	. . . the members being forming-tubes
B31B 41/40	4-Punkt Untergruppe	 acting internally
B31B 41/42	4-Punkt Untergruppe	 acting externally
B31B 41/44	2-Punkt Untergruppe	. . by plungers moving through folding dies
B31B 41/46	3-Punkt Untergruppe	. . . and interconnecting side walls during such movement
B31B 41/48	4-Punkt Untergruppe	 by folding or tucking in locking flaps
B31B 41/50	5-Punkt Untergruppe	 by interengaging tongues and slots
B31B 41/52	2-Punkt Untergruppe	. . by reciprocating or oscillating members, e.g. fingers other than plungers and dies
B31B 41/54	3-Punkt Untergruppe	. . . operating on moving material
B31B 41/56	2-Punkt Untergruppe	. . by rotary members co-operating with blades
B31B 41/58	2-Punkt Untergruppe	. . by moving endless belts
B31B 41/60	1-Punkt Untergruppe	. and having means for uniting opposed surfaces or edges, or for taping
B31B 41/62	2-Punkt Untergruppe	. . by adhesives
B31B 41/64	2-Punkt Untergruppe	. . by applying heat or pressure
B31B 41/66	3-Punkt Untergruppe	. . . high-frequency electric heating
B31B 41/68	2-Punkt Untergruppe	. . by stitching, stapling, or riveting
B31B 41/70	3-Punkt Untergruppe	. . . by corner stapling
B31B 41/72	2-Punkt Untergruppe	. . by applying and securing strips or sheets
B31B 41/74	1-Punkt Untergruppe	. and having means for effecting auxiliary operations
B31B 41/76	2-Punkt Untergruppe	. . Opening and distending flattened articles
B31B 41/78	3-Punkt Untergruppe	. . . mechanically
B31B 41/80	3-Punkt Untergruppe	. . . pneumatically
B31B 41/82	2-Punkt Untergruppe	. . Attaching windows
B31B 41/84	2-Punkt Untergruppe	. . Forming valves or applying valve inserts (connection of valves to inflatable elastic bodies B60C 29/00)
B31B 41/86	2-Punkt Untergruppe	. . Forming integral handles or mounting separate handles (making separate handles by multi-step processes B31D 1/06)

Symbol	Typ	Titel
B31B 41/88	2-Punkt Untergruppe	. . Printing or embossing
B31B 41/90	2-Punkt Untergruppe	. . Attaching accessories not otherwise provided for, e.g. opening or closure devices, tear strings
B31B 41/92	2-Punkt Untergruppe	. . Delivering
B31B 41/94	3-Punkt Untergruppe	. . . singly or in succession
B31B 41/96	4-Punkt Untergruppe	 in overlapping arrangement
B31B 41/98	3-Punkt Untergruppe	. . . in stacks or bundles
B31B 43/00	Hauptgruppe	Machinery characterised by making containers by shaping, otherwise than by folding, sheet material under pressure
B31B 45/00	Hauptgruppe	Machinery characterised by making containers having corrugated or pleated walls
B31B 47/00	Hauptgruppe	Hand tools for making envelopes, bags, boxes or cartons
B31B 47/02	1-Punkt Untergruppe	. for making envelopes or bags without preshaped bottoms
B31B 47/04	1-Punkt Untergruppe	. for making envelopes or bags with preshaped bottoms
B31B 49/00	Hauptgruppe	Machinery, accessories or processes not provided for in groups B31B 1/00 to B31B 47/00 (forms or constructions of boxes, cartons, envelopes or bags B65D) [2]
B31B 49/02	1-Punkt Untergruppe	. for making boxes or cartons
B31B 49/04	1-Punkt Untergruppe	. for making envelopes or bags