Symbol	Typ	Titel
B	**Sektion**	**SECTION B — PERFORMING OPERATIONS; TRANSPORTING**
B67	**Klasse**	**OPENING OR CLOSING BOTTLES, JARS OR SIMILAR CONTAINERS; LIQUID HANDLING (nozzles in general B05B; packaging liquids B65B, e.g. B65B 3/00; pumps in general F04; siphons F04F 10/00; valves F16K; handling liquefied gases F17C)**
B67B	**Unterklasse**	**APPLYING CLOSURE MEMBERS TO BOTTLES, JARS, OR SIMILAR CONTAINERS; OPENING CLOSED CONTAINERS (opening or closing devices attached to, or incorporated in, containers or container closures B65D)**
B67B 1/00	**Hauptgruppe**	**Closing bottles, jars, or similar containers by applying stoppers (stoppers per seB65D 39/00)**
B67B 1/03	1-Punkt Untergruppe	. Pretreatment of stoppers, e.g. cleaning, steaming, heating, impregnating or coating; Applying resilient rings to stoppers (mechanical working of cork B27J 5/00) [5]
B67B 1/04	1-Punkt Untergruppe	. by inserting threadless stoppers, e.g. corks
B67B 1/06	1-Punkt Untergruppe	. by inserting and rotating screw stoppers
B67B 1/08	1-Punkt Untergruppe	. Securing stoppers, e.g. swing stoppers, which are held in position by associated pressure-applying means coacting with the bottle neck
B67B 1/10	1-Punkt Untergruppe	. by inserting disc closures [6]
B67B 3/00	**Hauptgruppe**	**Closing bottles, jars, or similar containers by applying caps (caps per seB65D 41/00)**
B67B 3/02	1-Punkt Untergruppe	. by applying flanged caps, e.g. crown caps, and securing by deformation of flanges
B67B 3/04	2-Punkt Untergruppe	. . Cutting caps from strip material in capping machines (devices for registering moving strip material B65H 23/00)
B67B 3/06	2-Punkt Untergruppe	. . Feeding caps to capping heads
B67B 3/062	3-Punkt Untergruppe	. . . from a magazine
B67B 3/064	3-Punkt Untergruppe	. . . from a hopper
B67B 3/10	2-Punkt Untergruppe	. . Capping heads for securing caps
B67B 3/12	3-Punkt Untergruppe	. . . characterised by being movable axially relative to cap to deform flanges thereof, e.g. to press projecting flange rims inwardly
B67B 3/14	3-Punkt Untergruppe	. . . characterised by having movable elements, e.g. hinged fingers, for applying radial pressure to the flange of the cap (B67B 3/16, B67B 3/18 take precedence) [5]
B67B 3/16	3-Punkt Untergruppe	. . . characterised by having resilient deforming elements, e.g. resilient sleeves or collars (B67B 3/18 takes precedence) [5]
B67B 3/18	3-Punkt Untergruppe	. . . characterised by being rotatable, e.g. for forming screw threads in situ [5]
B67B 3/20	1-Punkt Untergruppe	. by applying and rotating preformed threaded caps (forming threads in situ by resilient deforming means B67B 3/16, by rotary capping heads B67B 3/18) [5]
B67B 3/22	1-Punkt Untergruppe	. by applying snap-on caps
B67B 3/24	1-Punkt Untergruppe	. Special measures for applying and securing caps under vacuum
B67B 3/26	1-Punkt Untergruppe	. Applications of control, warning, or safety devices in capping machinery
B67B 3/28	1-Punkt Untergruppe	. Mechanisms for causing relative movement between bottle or jar and capping head [5]

Symbol	Typ	Titel
B67B 5/00	**Hauptgruppe**	**Applying protective or decorative covers to closures; Devices for securing bottle closures with wire (infant-feeding teats with means for fastening to bottles A61J 11/04) [6]**
B67B 5/03	1-Punkt Untergruppe	. Applying protective or decorative covers to closures, e.g. by forming in situ [3]
B67B 5/05	2-Punkt Untergruppe	. . by applying liquids, e.g. by dipping [3]
B67B 5/06	1-Punkt Untergruppe	. Devices for securing bottle closures with wire (B67B 1/08 takes precedence)
B67B 7/00	**Hauptgruppe**	**Hand- or power-operated devices for opening closed containers (nail pullers or extractors B25C 11/00; attached to, or incorporated in, containers or container closures B65D)**
B67B 7/02	1-Punkt Untergruppe	. for removing stoppers
B67B 7/04	2-Punkt Untergruppe	. . Cork-screws
B67B 7/06	2-Punkt Untergruppe	. . Other cork removers
B67B 7/08	3-Punkt Untergruppe	. . . using air or gas pressure
B67B 7/10	2-Punkt Untergruppe	. . with means for retrieving stoppers from the interior of the container
B67B 7/12	1-Punkt Untergruppe	. for removing disc-closures
B67B 7/14	1-Punkt Untergruppe	. for removing tightly-fitting lids or covers, e.g. of shoe-polish tins, by gripping and rotating
B67B 7/15	2-Punkt Untergruppe	. . finger grapple type [5]
B67B 7/16	1-Punkt Untergruppe	. for removing flanged caps, e.g. crown caps
B67B 7/18	1-Punkt Untergruppe	. for removing threaded caps (B67B 7/14 takes precedence; wrenches B25B 13/00) [2]
B67B 7/20	1-Punkt Untergruppe	. for breaking vacuum seals between lids or covers and bodies of preserving jars, e.g. by wedge action
B67B 7/22	2-Punkt Untergruppe	. . incorporating loops, e.g. of wire, which are tightened around seal
B67B 7/40	1-Punkt Untergruppe	. Devices for engaging tags, strips, or tongues for opening by tearing, e.g. slotted keys for opening sardine tins
B67B 7/42	1-Punkt Untergruppe	. Devices for removing barrel bungs
B67B 7/44	1-Punkt Untergruppe	. Combination tools, e.g. comprising cork-screws, can piercers, crown-cap removers (combinations of opening devices with cutting tools B26, with devices serving other purposes, see the appropriate places, e.g. B25F, B43K 29/00)
B67B 7/46	1-Punkt Untergruppe	. Cutting devices, i.e. devices including at least one cutting element having one or more cutting edges for piercing through the wall of a closed container, e.g. can openers (B67B 7/44 takes precedence; machines for domestic use with a plurality of interchangeable units A47J 43/06, A47J 44/00; hand-held cutting tools, cutting, severing, in general B26) [4]
B67B 7/48	2-Punkt Untergruppe	. . punch type, i.e. the cutting element including at least one sharp cutting edge adapted to pierce through the container wall in, ordinarily, a single operating stroke [4]
B67B 7/50	3-Punkt Untergruppe	. . . with fulcrum, i.e. a lever-like actuating handle with provision to establish a pivot point [4]
B67B 7/52	3-Punkt Untergruppe	. . . Plural spaced cutting edges adapted to pierce the container during a single operating stroke [4]
B67B 7/54	2-Punkt Untergruppe	. . sweep cutter type, i.e. an opening device including means to establish a pivot point between the cutting element and the container and having means to move the cutting element about the pivot point [4]
B67B 7/56	3-Punkt Untergruppe	. . . with container penetrating pivot and variable cutter radius, i.e. the distance between the cutting element and the penetrating pivot being changeable [4]
B67B 7/58	4-Punkt Untergruppe	. . . . Freely slidable cutter [4]

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B67B 7/60	2-Punkt Untergruppe	. . having force multiplying means employed to relatively turn the container and cutting element about a fixed point to force the cutting element to traverse the container [4]
B67B 7/62	2-Punkt Untergruppe	. . Progressive fulcrum, i.e. having a lever-like actuating handle and provision to establish a pivot point which is progressively translated relative to the container during the opening operation [4]
B67B 7/64	3-Punkt Untergruppe	. . . with guide means to engage container wall and guide the cutting element thereabout [4]
B67B 7/66	3-Punkt Untergruppe	. . . cutter pivoted to reaction member [4]
B67B 7/68	2-Punkt Untergruppe	. . shear type, i.e. including cutting elements co-operating with one another so that their respective cutting edges move pass and in substantial contact with each other to perform the cutting operation [4]
B67B 7/70	2-Punkt Untergruppe	. . including an annular, driven, wheel-like roller member adapted to continuously engage a container chime during the opening operation [4]
B67B 7/72	3-Punkt Untergruppe	. . . Cutter comprising rotatable disc [4]
B67B 7/74	3-Punkt Untergruppe	. . . Roller drive means causes initial piercing, i.e. force applied to rotate the wheel-like member causes the cutting element to pierce the container wall [4]
B67B 7/76	3-Punkt Untergruppe	. . . adapted to pierce container side wall [4]
B67B 7/78	2-Punkt Untergruppe	. . including plural cutters [4]
B67B 7/80	2-Punkt Untergruppe	. . with means to cover an opening in the container made by the cutting element [4]
B67B 7/82	2-Punkt Untergruppe	. . with means to prevent the cut portion from dropping into the container or to raise the cut portion out of the container [4]
B67B 7/84	2-Punkt Untergruppe	. . adapted for right or left-hand operation, i.e. the device is capable of being operated in either direction about the container [4]
B67B 7/86	2-Punkt Untergruppe	. . with spout or means to deform or bend the material of the container to form a spout [4]
B67B 7/88	2-Punkt Untergruppe	. . with means to clean or sanitise the cutting element [4]
B67B 7/90	2-Punkt Untergruppe	. . with sensor, activator and controller [4]
B67B 7/92	1-Punkt Untergruppe	. by breaking, e.g. for ampoules [5]