Symbol	Typ	Titel
D	**Sektion**	**SECTION D — TEXTILES; PAPER**
D01	**Untersektion**	**TEXTILES OR FLEXIBLE MATERIALS NOT OTHERWISE PROVIDED FOR**
D01	**Klasse**	**NATURAL OR ARTIFICIAL THREADS OR FIBRES; SPINNING (metal threads B21; fibres or filaments of softened glass, minerals, or slag C03B 37/00; yarns D02)**
D01F	**Unterklasse**	**CHEMICAL FEATURES IN THE MANUFACTURE OF ARTIFICIAL FILAMENTS, THREADS, FIBRES, BRISTLES, OR RIBBONS; APPARATUS SPECIALLY ADAPTED FOR THE MANUFACTURE OF CARBON FILAMENTS [2]**
D01F 1/00	**Hauptgruppe**	**General methods for the manufacture of artificial filaments or the like**
D01F 1/02	1-Punkt Untergruppe	. Addition of substances to the spinning solution or to the melt (addition of substances to viscose D01F 2/08-D01F 2/20)
D01F 1/04	2-Punkt Untergruppe	. . Pigments
D01F 1/06	2-Punkt Untergruppe	. . Dyes
D01F 1/07	2-Punkt Untergruppe	. . for making fire- or flame-proof filaments [4]
D01F 1/08	2-Punkt Untergruppe	. . for forming hollow filaments
D01F 1/09	2-Punkt Untergruppe	. . for making electroconductive or anti-static filaments [4]
D01F 1/10	2-Punkt Untergruppe	. . Other agents for modifying properties [2]
D01F 2/00	**Hauptgruppe**	**Monocomponent artificial filaments or the like of cellulose or cellulose derivatives; Manufacture thereof [2]**
D01F 2/02	1-Punkt Untergruppe	. from solutions of cellulose in acids, bases, or salts [2]
D01F 2/04	2-Punkt Untergruppe	. . from cuprammonium solutions [2]
D01F 2/06	1-Punkt Untergruppe	. from viscose (preparation of alkali cellulose C08B) [2]
D01F 2/08	2-Punkt Untergruppe	. . Composition of the spinning solution or the bath (preparing or dissolving cellulose xanthate C08B) [2]
D01F 2/10	3-Punkt Untergruppe	. . . Addition to the spinning solution or spinning bath of substances which exert their effect equally well in either [2]
D01F 2/12	3-Punkt Untergruppe	. . . Addition of delustring agents to the spinning solution [2]
D01F 2/14	4-Punkt Untergruppe	. . . . Addition of pigments [2]
D01F 2/16	3-Punkt Untergruppe	. . . Addition of dyes to the spinning solution [2]
D01F 2/18	3-Punkt Untergruppe	. . . Addition to the spinning solution of substances to influence ripening [2]
D01F 2/20	3-Punkt Untergruppe	. . . for the manufacture of hollow threads [2]
D01F 2/22	2-Punkt Untergruppe	. . by the dry spinning process [2]
D01F 2/24	1-Punkt Untergruppe	. from cellulose derivatives [2]
D01F 2/26	2-Punkt Untergruppe	. . from nitrocellulose [2]
D01F 2/28	2-Punkt Untergruppe	. . from organic cellulose esters or ethers, e.g. cellulose acetate [2]
D01F 2/30	3-Punkt Untergruppe	. . . by the dry spinning process [2]
D01F 4/00	**Hauptgruppe**	**Monocomponent artificial filaments or the like of proteins; Manufacture thereof [2]**
D01F 4/02	1-Punkt Untergruppe	. from fibroin [2]

Symbol	Typ	Titel
D01F 4/04	1-Punkt Untergruppe	. from casein [2]
D01F 4/06	1-Punkt Untergruppe	. from globulins, e.g. groundnut protein [2]
D01F 6/00	**Hauptgruppe**	**Monocomponent artificial filaments or the like of synthetic polymers; Manufacture thereof [2]**
D01F 6/02	1-Punkt Untergruppe	. from homopolymers obtained by reactions only involving carbon-to-carbon unsaturated bonds [2]
D01F 6/04	2-Punkt Untergruppe	. . from polyolefins [2]
D01F 6/06	3-Punkt Untergruppe	. . . from polypropylene [2]
D01F 6/08	2-Punkt Untergruppe	. . from polymers of halogenated hydrocarbons [2]
D01F 6/10	3-Punkt Untergruppe	. . . from polyvinyl chloride or polyvinylidene chloride [2]
D01F 6/12	3-Punkt Untergruppe	. . . from polymers of fluorinated hydrocarbons [2]
D01F 6/14	2-Punkt Untergruppe	. . from polymers of unsaturated alcohols, e.g. polyvinyl alcohol, or of their acetals or ketals [2]
D01F 6/16	2-Punkt Untergruppe	. . from polymers of unsaturated carboxylic acids or unsaturated organic esters, e.g. polyacrylic esters, polyvinyl acetate [2]
D01F 6/18	2-Punkt Untergruppe	. . from polymers of unsaturated nitriles, e.g. polyacrylonitrile, polyvinylidene cyanide [2]
D01F 6/20	2-Punkt Untergruppe	. . from polymers of cyclic compounds with one carbon-to-carbon double bond in the side chain [2]
D01F 6/22	3-Punkt Untergruppe	. . . from polystyrene [2]
D01F 6/24	2-Punkt Untergruppe	. . from polymers of aliphatic compounds with more than one carbon-to-carbon double bond [2]
D01F 6/26	2-Punkt Untergruppe	. . from other polymers [2]
D01F 6/28	1-Punkt Untergruppe	. from copolymers obtained by reactions only involving carbon-to-carbon unsaturated bonds [2]
D01F 6/30	2-Punkt Untergruppe	. . comprising olefins as the major constituent [2]
D01F 6/32	2-Punkt Untergruppe	. . comprising halogenated hydrocarbons as the major constituent [2]
D01F 6/34	2-Punkt Untergruppe	. . comprising unsaturated alcohols, acetals, or ketals as the major constituent [2]
D01F 6/36	2-Punkt Untergruppe	. . comprising unsaturated carboxylic acids or unsaturated organic esters as the major constituent [2]
D01F 6/38	2-Punkt Untergruppe	. . comprising unsaturated nitriles as the major constituent [2]
D01F 6/40	2-Punkt Untergruppe	. . Modacrylic fibres, i.e. containing 35 to 85% acrylonitrile [2]
D01F 6/42	2-Punkt Untergruppe	. . comprising cyclic compounds containing one carbon-to-carbon double bond in the side chain as major constituent [2]
D01F 6/44	1-Punkt Untergruppe	. from mixtures of polymers obtained by reactions only involving carbon-to-carbon unsaturated bonds as major constituent with other polymers or low-molecular-weight compounds [2]
D01F 6/46	2-Punkt Untergruppe	. . of polyolefins [2]
D01F 6/48	2-Punkt Untergruppe	. . of polymers of halogenated hydrocarbons [2]
D01F 6/50	2-Punkt Untergruppe	. . of polyalcohols, polyacetals or polyketals [2]
D01F 6/52	2-Punkt Untergruppe	. . of polymers of unsaturated carboxylic acids or unsaturated esters [2]
D01F 6/54	2-Punkt Untergruppe	. . of polymers of unsaturated nitriles [2]
D01F 6/56	2-Punkt Untergruppe	. . of polymers of cyclic compounds with one carbon-to-carbon double bond in the side chain [2]

Symbol	Typ	Titel
D01F 6/58	1-Punkt Untergruppe	. from homopolycondensation products [2]
D01F 6/60	2-Punkt Untergruppe	. . from polyamides (from polyamino acids or polypeptides D01F 6/68) [2]
D01F 6/62	2-Punkt Untergruppe	. . from polyesters [2]
D01F 6/64	3-Punkt Untergruppe	. . . from polycarbonates [2]
D01F 6/66	2-Punkt Untergruppe	. . from polyethers [2]
D01F 6/68	2-Punkt Untergruppe	. . from polyaminoacids or polypeptides [2]
D01F 6/70	2-Punkt Untergruppe	. . from polyurethanes [2]
D01F 6/72	2-Punkt Untergruppe	. . from polyureas [2]
D01F 6/74	2-Punkt Untergruppe	. . from polycondensates of cyclic compounds, e.g. polyimides, polybenzimidazoles [2]
D01F 6/76	2-Punkt Untergruppe	. . from other polycondensation products [2]
D01F 6/78	1-Punkt Untergruppe	. from copolycondensation products [2]
D01F 6/80	2-Punkt Untergruppe	. . from copolyamides [2]
D01F 6/82	2-Punkt Untergruppe	. . from polyester amides or polyether amides [2]
D01F 6/84	2-Punkt Untergruppe	. . from copolyesters [2]
D01F 6/86	2-Punkt Untergruppe	. . from polyetheresters [2]
D01F 6/88	1-Punkt Untergruppe	. from mixtures of polycondensation products as major constituent with other polymers or low-molecular-weight compounds [2]
D01F 6/90	2-Punkt Untergruppe	. . of polyamides [2]
D01F 6/92	2-Punkt Untergruppe	. . of polyesters [2]
D01F 6/94	2-Punkt Untergruppe	. . of other polycondensation products [2]
D01F 6/96	1-Punkt Untergruppe	. from other synthetic polymers [2]
D01F 8/00	**Hauptgruppe**	**Conjugated, i.e. bi- or multicomponent, artificial filaments or the like; Manufacture thereof [2]**
D01F 8/02	1-Punkt Untergruppe	. from cellulose, cellulose derivatives, or proteins [2]
D01F 8/04	1-Punkt Untergruppe	. from synthetic polymers [2]
D01F 8/06	2-Punkt Untergruppe	. . with at least one polyolefin as constituent [2]
D01F 8/08	2-Punkt Untergruppe	. . with at least one polyacrylonitrile as constituent [2]
D01F 8/10	2-Punkt Untergruppe	. . with at least one other macromolecular compound obtained by reactions only involving carbon-to-carbon unsaturated bonds as constituent [2]
D01F 8/12	2-Punkt Untergruppe	. . with at least one polyamide as constituent [2]
D01F 8/14	2-Punkt Untergruppe	. . with at least one polyester as constituent [2]
D01F 8/16	2-Punkt Untergruppe	. . with at least one other macromolecular compound obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds [2]
D01F 8/18	1-Punkt Untergruppe	. from other substances [2]
D01F 9/00	**Hauptgruppe**	**Artificial filaments or the like of other substances; Manufacture thereof; Apparatus specially adapted for the manufacture of carbon filaments [5]**

Symbol	Typ	Titel
D01F 9/02	1-Punkt Untergruppe	. of reaction products of rubber with acids or acid anhydrides, e.g. sulfur dioxide
D01F 9/04	1-Punkt Untergruppe	. of alginates
D01F 9/08	1-Punkt Untergruppe	. of inorganic material (from softened glass, minerals, or slags C03B 37/00; incandescent bodies F21H, H01K 1/02, H01K 3/02) [2]
D01F 9/10	2-Punkt Untergruppe	. . by decomposition of organic substances (D01F 9/12 takes precedence) [2]
D01F 9/12	2-Punkt Untergruppe	. . Carbon filaments; Apparatus specially adapted for the manufacture thereof [2, 5]
D01F 9/127	3-Punkt Untergruppe	. . . by thermal decomposition of hydrocarbon gases or vapours [5]
D01F 9/133	4-Punkt Untergruppe	. . . . Apparatus therefor [5]
D01F 9/14	3-Punkt Untergruppe	. . . by decomposition of organic filaments [2, 5]
D01F 9/145	4-Punkt Untergruppe	. . . . from pitch or distillation residues [5]
D01F 9/15	5-Punkt Untergruppe	. . . . . from coal pitch [5]
D01F 9/155	5-Punkt Untergruppe	. . . . . from petroleum pitch [5]
D01F 9/16	4-Punkt Untergruppe	. . . . from products of vegetable origin or derivatives thereof, e.g. from cellulose acetat (D01F 9/18 takes precedence) [2, 5]
D01F 9/17	5-Punkt Untergruppe	. . . . . from lignin [5]
D01F 9/18	4-Punkt Untergruppe	. . . . from proteins, e.g. from wool [2]
D01F 9/20	4-Punkt Untergruppe	. . . . from polyaddition, polycondensation or polymerisation products (D01F 9/145, D01F 9/16, D01F 9/18 take precedence) [2, 5]
D01F 9/21	5-Punkt Untergruppe	. . . . . from macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds [5]
D01F 9/22	6-Punkt Untergruppe	. . . . . from polyacrylonitriles [2, 5]
D01F 9/24	5-Punkt Untergruppe	. . . . . from macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds [5]
D01F 9/26	6-Punkt Untergruppe	. . . . . from polyesters [5]
D01F 9/28	6-Punkt Untergruppe	. . . . . from polyamides [5]
D01F 9/30	7-Punkt Untergruppe	. . . . . from aromatic polyamides [5]
D01F 9/32	4-Punkt Untergruppe	. . . . Apparatus therefor [5]
D01F 11/00	**Hauptgruppe**	**Chemical after-treatment of artificial filaments or the like during manufacture (finishing D06M) [2]**
D01F 11/02	1-Punkt Untergruppe	. of cellulose, cellulose derivatives, or proteins [2]
D01F 11/04	1-Punkt Untergruppe	. of synthetic polymers [2]
D01F 11/06	2-Punkt Untergruppe	. . of macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds [2]
D01F 11/08	2-Punkt Untergruppe	. . of macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds [2]
D01F 11/10	1-Punkt Untergruppe	. of carbon [2]

Symbol	Typ	Titel
D01F 11/12	2-Punkt Untergruppe	. . with inorganic substances [5]
D01F 11/14	2-Punkt Untergruppe	. . with organic compounds, e.g. macromolecular compounds [5]
D01F 11/16	2-Punkt Untergruppe	. . by physicochemical methods [5]
D01F 13/00	**Hauptgruppe**	**Recovery of starting material, waste material, or solvents during the manufacture of artificial filaments or the like [2]**
D01F 13/02	1-Punkt Untergruppe	. of cellulose, cellulose derivatives, or proteins [2]
D01F 13/04	1-Punkt Untergruppe	. of synthetic polymers [2]