В	Sektion	SECTION B — PERFORMING OPERATIONS; TRANSPORTING
B03	Klasse	SEPARATION OF SOLID MATERIALS USING LIQUIDS OR USING PNEUMATIC TABLES OR JIGS; MAGNETIC OR ELECTROSTATIC SEPARATION OF SOLID MATERIALS FROM SOLID MATERIALS OR FLUIDS; SEPARATION BY HIGH-VOLTAGE ELECTRIC FIELDS (separating isotopes B01D 59/00; crushing or disintegrating B02C; centrifuges or vortex apparatus for carrying out physical processes B04) [5]
B03C	Unterklasse	MAGNETIC OR ELECTROSTATIC SEPARATION OF SOLID MATERIALS FROM SOLID MATERIALS OR FLUIDS; SEPARATION BY HIGH-VOLTAGE ELECTRIC FIELDS (filters making use of electricity or magnetism B01D 35/06; separating isotopes B01D 59/00; combinations of magnetic or electrostatic separation with separation of solids by other means B03B, B07B; separating sheets from piles B65H 3/00; magnets or magnet coils
		per seH01F) [5]
B03C 1/00	Hauptgruppe	Magnetic separation
B03C 1/005	1-Punkt Untergruppe	. Pretreatment specially adapted for magnetic separation [6]
B03C 1/01	2-Punkt Untergruppe	by addition of magnetic adjuvants [6]
B03C 1/015	2-Punkt Untergruppe	by chemical treatment imparting magnetic properties to the material to be separated, e.g. roasting, reduction, oxidation [6]
B03C 1/02	1-Punkt Untergruppe	. acting directly on the substance being separated [5]
B03C 1/021	2-Punkt Untergruppe	Separation using Meissner effect, i.e. deflection of superconductive particles in a magnetic field [6]
B03C 1/023	2-Punkt Untergruppe	Separation using Lorentz force, i.e. deflection of electrically charged particles in a magnetic field [6]
B03C 1/025	2-Punkt Untergruppe	High gradient magnetic separators [5]
B03C 1/027	3-Punkt Untergruppe	with reciprocating canisters [6]
B03C 1/029	3-Punkt Untergruppe	with circulating matrix or matrix elements (matrix elements B03C 1/034) [6]
B03C 1/03	4-Punkt Untergruppe	rotating, e.g. of the carousel type [5, 6]
B03C 1/031	3-Punkt Untergruppe	Component parts; Auxiliary operations [6]
B03C 1/032	4-Punkt Untergruppe	Matrix cleaning systems [6]
B03C 1/033	4-Punkt Untergruppe	characterised by the magnetic circuit [6]
B03C 1/034	5-Punkt Untergruppe	characterised by the matrix elements [6]
B03C 1/035	2-Punkt Untergruppe	Open gradient magnetic separators, i.e. separators in which the gap is unobstructed, characterised by the configuration of the gap [5]
B03C 1/0355	3-Punkt Untergruppe	using superconductive coils [6]
B03C 1/04	2-Punkt Untergruppe	with the material carriers in the form of trays or with tables
B03C 1/06	3-Punkt Untergruppe	with magnets moving during operation
B03C 1/08	3-Punkt Untergruppe	with non-movable magnets
B03C 1/10	2-Punkt Untergruppe	with cylindrical material carriers (B03C 1/247 takes precedence) [6]
B03C 1/12	3-Punkt Untergruppe	with magnets moving during operation; with movable pole pieces

Symbol	Тур	Titel
B03C 1/14	3-Punkt Untergruppe	with non-movable magnets
B03C 1/16	2-Punkt Untergruppe	with material carriers in the form of belts
B03C 1/18	3-Punkt Untergruppe	with magnets moving during operation
B03C 1/20	4-Punkt Untergruppe	in the form of belts, e.g. cross-belt type
B03C 1/22	3-Punkt Untergruppe	with non-movable magnets
B03C 1/23	2-Punkt Untergruppe	with material carried by oscillating fields; with material carried by travelling fields, e.g. generated by stationary magnetic coils; Eddy-current separators, e.g. sliding ramp [5]
B03C 1/24	3-Punkt Untergruppe	with material carried by travelling fields [5]
B03C 1/247	4-Punkt Untergruppe	obtained by a rotating magnetic drum [6]
B03C 1/253	4-Punkt Untergruppe	obtained by a linear motor [6]
B03C 1/26	2-Punkt Untergruppe	with free falling material (B03C 1/035 takes precedence) [5]
B03C 1/28	2-Punkt Untergruppe	Magnetic plugs and dipsticks
B03C 1/30	2-Punkt Untergruppe	Combinations with other devices, not otherwise provided for
B03C 1/32	1-Punkt Untergruppe	. acting on the medium containing the substance being separated, e.g. magneto-gravimetric-, magnetohydrostatic-, or magnetohydrodynamic separation [5]
B03C 3/00	Hauptgruppe	Separating dispersed particles from gases or vapour, e.g. air, by electrostatic effect (exhaust or silencing apparatus for machines or engines having means for removing solid constituents of exhaust, using electric or electrostatic separators F01N 3/01)
B03C 3/01	1-Punkt Untergruppe	. Pretreatment of the gases prior to electrostatic precipitation
B03C 3/011	2-Punkt Untergruppe	Prefiltering; Flow controlling [6]
B03C 3/013	2-Punkt Untergruppe	Conditioning by chemical additives, e.g. with SO ₃ [6]
B03C 3/014	2-Punkt Untergruppe	Addition of water; Heat exchange, e.g. by condensation [6]
B03C 3/016	2-Punkt Untergruppe	by acoustic or electromagnetic energy, e.g. ultra-violet light [6]
B03C 3/017	1-Punkt Untergruppe	. Combinations of electrostatic separation with other processes, not otherwise provided for [6]
B03C 3/019	1-Punkt Untergruppe	. Post-treatment of gases [6]
B03C 3/02	1-Punkt Untergruppe	. Plant or installations having external electricity supply (electrode constructions B03C 3/40)
B03C 3/04	2-Punkt Untergruppe	dry type
B03C 3/06	3-Punkt Untergruppe	characterised by presence of stationary tube electrodes
B03C 3/08	3-Punkt Untergruppe	characterised by presence of stationary flat electrodes arranged with their flat surfaces parallel to the gas stream
B03C 3/09	3-Punkt Untergruppe	characterised by presence of stationary flat electrodes arranged with their flat surfaces at right angles to the gas stream
B03C 3/10	3-Punkt Untergruppe	characterised by presence of electrodes moving during separating action
B03C 3/12	3-Punkt Untergruppe	characterised by separation of ionising and collecting stations
B03C 3/14	3-Punkt Untergruppe	characterised by the additional use of mechanical effects, e.g. gravity (B03C 3/32 takes precedence)

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Symbol	Typ	Titel
B03C 3/145	4-Punkt Untergruppe	Inertia [6]
B03C 3/15	4-Punkt Untergruppe	Centrifugal forces [6]
B03C 3/155	4-Punkt Untergruppe	Filtration [6]
B03C 3/16	2-Punkt Untergruppe	wet type
B03C 3/28	1-Punkt Untergruppe	. Plant or installations without electricity supply, e.g. using electrets
B03C 3/30	2-Punkt Untergruppe	in which electrostatic charge is generated by passage of the gases, i.e. tribo-electricity
B03C 3/32	1-Punkt Untergruppe	. Transportable units, e.g. for cleaning room air (room air-conditioners having an electrostatic separating stage F24F)
B03C 3/34	1-Punkt Untergruppe	. Constructional details or accessories or operation thereof
B03C 3/36	2-Punkt Untergruppe	Controlling flow of gases or vapour
B03C 3/38	2-Punkt Untergruppe	Particle charging or ionising stations, e.g. using electric discharge, radioactive radiation, flames (electrode constructions B03C 3/40; ionising gases H05H)
B03C 3/40	2-Punkt Untergruppe	Electrode constructions
B03C 3/41	3-Punkt Untergruppe	Ionising-electrodes
B03C 3/43	4-Punkt Untergruppe	radioactive
B03C 3/45	3-Punkt Untergruppe	Collecting-electrodes
B03C 3/47	4-Punkt Untergruppe	flat, e.g. plates, discs, gratings
B03C 3/49	4-Punkt Untergruppe	tubular
B03C 3/51	4-Punkt Untergruppe	Catch-space electrodes, e.g. slotted-box form
B03C 3/53	4-Punkt Untergruppe	Liquid, or liquid-film, electrodes
B03C 3/60	3-Punkt Untergruppe	Use of special materials other than liquids
B03C 3/62	4-Punkt Untergruppe	ceramics
B03C 3/64	4-Punkt Untergruppe	synthetic resins
B03C 3/66	2-Punkt Untergruppe	Applications of electricity supply techniques
B03C 3/68	3-Punkt Untergruppe	Control systems therefor
B03C 3/70	3-Punkt Untergruppe	insulating in electric separators (B03C 3/53 takes precedence)
B03C 3/72	2-Punkt Untergruppe	Emergency control systems
B03C 3/74	2-Punkt Untergruppe	Cleaning the electrodes
B03C 3/76	3-Punkt Untergruppe	by using a mechanical vibrator, e.g. rapping gear
B03C 3/78	3-Punkt Untergruppe	by washing
B03C 3/80	3-Punkt Untergruppe	by gas or solid particle blasting
B03C 3/82	2-Punkt Untergruppe	Housings
B03C 3/84	3-Punkt Untergruppe	Protective coatings

Symbol	Тур	Titel
B03C 3/86	2-Punkt Untergruppe	Electrode-carrying means (B03C 3/40 takes precedence)
B03C 3/88	2-Punkt Untergruppe	Cleaning-out collected particles
B03C 5/00	Hauptgruppe	Separating dispersed particles from liquids by electrostatic effect (combined with centrifuges B04B 5/10) [2]
B03C 5/02	1-Punkt Untergruppe	. Separators
B03C 7/00	Hauptgruppe	Separating solids from solids by electrostatic effect
B03C 7/02	1-Punkt Untergruppe	. Separators
B03C 7/04	2-Punkt Untergruppe	with material carriers in the form of trays, troughs, or tables
B03C 7/06	2-Punkt Untergruppe	with cylindrical material carriers
B03C 7/08	2-Punkt Untergruppe	with material carriers in the form of belts
B03C 7/10	2-Punkt Untergruppe	with material falling in cascades
B03C 7/12	2-Punkt Untergruppe	with material falling free
B03C 9/00	Hauptgruppe	Electrostatic separation not provided for in any single one of the other main groups of this subclass
B03C 11/00	Hauptgruppe	Separation by high-voltage electrical fields, not provided for in other groups of this subclass [2006.01]