

Symbol	Typ	Titel
B	Sektion	SECTION B — PERFORMING OPERATIONS; TRANSPORTING
B22	Klasse	CASTING; POWDER METALLURGY
B22C	Unterklasse	FOUNDRI MOULDING (moulding refractory materials in general B28B)
B22C 1/00	Hauptgruppe	Compositions of refractory mould or core materials; Grain structures thereof (refractory materials in general C04B 35/00); Chemical or physical features in the formation or manufacture of moulds
B22C 1/02	1-Punkt Untergruppe	. characterised by additives for special purposes, e.g. indicators, breakdown additives
B22C 1/04	2-Punkt Untergruppe	. . for protection of the casting, e.g. against decarbonisation
B22C 1/06	3-Punkt Untergruppe	. . . for casting extremely oxidisable metals
B22C 1/08	2-Punkt Untergruppe	. . for decreasing shrinkage of the mould, e.g. for investment casting
B22C 1/10	2-Punkt Untergruppe	. . for influencing the hardening tendency of the mould material (influencing the hardening tendency of the binding agent only B22C 1/16)
B22C 1/12	2-Punkt Untergruppe	. . for manufacturing permanent moulds or cores
B22C 1/14	2-Punkt Untergruppe	. . for separating the pattern from the mould
B22C 1/16	1-Punkt Untergruppe	. characterised by the use of binding agents; Mixtures of binding agents
B22C 1/18	2-Punkt Untergruppe	. . of inorganic agents
B22C 1/20	2-Punkt Untergruppe	. . of organic agents
B22C 1/22	3-Punkt Untergruppe	. . . of resins or rosins
B22C 1/24	3-Punkt Untergruppe	. . . of oily or fatty substances; of distillation residues therefrom
B22C 1/26	3-Punkt Untergruppe	. . . of carbohydrates; of distillation residues therefrom
B22C 3/00	Hauptgruppe	Selection of compositions for coating the surfaces of moulds, cores, or patterns
B22C 3/02	1-Punkt Untergruppe	. specially adapted for vacuum-sealed moulding [6]
B22C 5/00	Hauptgruppe	Machines or devices specially designed for dressing or handling the mould material so far as specially adapted for that purpose (of general applicability, <u>see</u> the relevant places, e.g. for material with water-setting properties B28C)
B22C 5/02	1-Punkt Untergruppe	. Dressing by centrifuging essentially or additionally
B22C 5/04	1-Punkt Untergruppe	. by grinding, blending, mixing, kneading, or stirring
B22C 5/06	1-Punkt Untergruppe	. by sieving or magnetic separating
B22C 5/08	1-Punkt Untergruppe	. by sprinkling, cooling, or drying
B22C 5/10	1-Punkt Untergruppe	. by dust separating
B22C 5/12	1-Punkt Untergruppe	. for filling flasks (in combination with compacting B22C 15/20-B22C 15/28)
B22C 5/13	2-Punkt Untergruppe	. . during vacuum-sealed moulding [6]
B22C 5/14	1-Punkt Untergruppe	. Equipment for storing or handling the dressed mould material, forming part of a plant for preparing such material
B22C 5/16	2-Punkt Untergruppe	. . with conveyers or other equipment for feeding the material
B22C 5/18	1-Punkt Untergruppe	. Plants for preparing mould materials

Symbol	Typ	Titel
B22C 7/00	Hauptgruppe	Patterns; Manufacture thereof so far as not provided for in other classes
B22C 7/02	1-Punkt Untergruppe	. Lost patterns
B22C 7/04	1-Punkt Untergruppe	. Pattern plates
B22C 7/05	2-Punkt Untergruppe	. . for vacuum-sealed moulding [6]
B22C 7/06	1-Punkt Untergruppe	. Core boxes
B22C 9/00	Hauptgruppe	Moulds or cores (uniquely adapted to particular casting processes B22D); Moulding processes (processes involving the use of particular moulding machines, <u>see</u> the relevant groups for these machines)
B22C 9/02	1-Punkt Untergruppe	. Sand moulds or like moulds for shaped castings
B22C 9/03	2-Punkt Untergruppe	. . formed by vacuum-sealed moulding [6]
B22C 9/04	2-Punkt Untergruppe	. . Use of lost patterns
B22C 9/06	1-Punkt Untergruppe	. Permanent moulds for shaped castings (moulds for ingots B22D 7/06)
B22C 9/08	1-Punkt Untergruppe	. Features with respect to supply of molten metal, e.g. ingates, circular gates, skim gates
B22C 9/10	1-Punkt Untergruppe	. Cores; Manufacture or installation of cores
B22C 9/11	2-Punkt Untergruppe	. . for vacuum-sealed moulding [6]
B22C 9/12	1-Punkt Untergruppe	. Treating moulds or cores, e.g. drying, hardening
B22C 9/14	2-Punkt Untergruppe	. . Equipment or plant specially adapted for drying moulds or cores (B22C 13/08 takes precedence)
B22C 9/16	3-Punkt Untergruppe	. . . Movable drying equipment
B22C 9/18	1-Punkt Untergruppe	. Finishing
B22C 9/20	1-Punkt Untergruppe	. Stack moulds, i.e. arrangement of multiple moulds or flasks
B22C 9/22	1-Punkt Untergruppe	. Moulds for peculiarly-shaped castings
B22C 9/24	2-Punkt Untergruppe	. . for hollow articles
B22C 9/26	3-Punkt Untergruppe	. . . for ribbed tubes; for radiators
B22C 9/28	2-Punkt Untergruppe	. . for wheels, rolls, or rollers
B22C 9/30	2-Punkt Untergruppe	. . for chains
		<u>Moulding machines for making moulds or cores</u>
B22C 11/00	Hauptgruppe	Moulding machines characterised by the relative arrangement of the parts of same
B22C 11/02	1-Punkt Untergruppe	. Machines in which the moulds are moved during a cycle of successive operations
B22C 11/04	2-Punkt Untergruppe	. . by a horizontal rotary table or carrier
B22C 11/06	2-Punkt Untergruppe	. . by a vertical rotary carrier
B22C 11/08	2-Punkt Untergruppe	. . by non-rotary conveying means, e.g. by travelling platforms
B22C 11/10	1-Punkt Untergruppe	. with one or more flasks forming part of the machine, from which only the sand moulds made by compacting are removed
B22C 11/12	1-Punkt Untergruppe	. Moulding machines able to travel
B22C 13/00	Hauptgruppe	Moulding machines for making moulds or cores of particular shapes

Symbol	Typ	Titel
B22C 13/02	1-Punkt Untergruppe	. equipped with templates, e.g. for sweeping operation
B22C 13/04	2-Punkt Untergruppe	. . with rotary templates, e.g. arranged on a pillar
B22C 13/06	2-Punkt Untergruppe	. . with non-rotary template and rotary flask
B22C 13/08	1-Punkt Untergruppe	. for shell moulds or shell cores
B22C 13/10	1-Punkt Untergruppe	. for pipes or elongated hollow articles
B22C 13/12	1-Punkt Untergruppe	. for cores
B22C 13/14	2-Punkt Untergruppe	. . by sweeping, turning, or coating
B22C 13/16	2-Punkt Untergruppe	. . by pressing through a die
B22C 15/00	Hauptgruppe	Moulding machines characterised by the compacting mechanism; Accessories therefor
B22C 15/02	1-Punkt Untergruppe	. Compacting by pressing devices only
B22C 15/04	2-Punkt Untergruppe	. . involving muscle power, e.g. hand-operated levers
B22C 15/06	2-Punkt Untergruppe	. . involving mechanical gearings, e.g. crank gears (B22C 15/04 takes precedence)
B22C 15/08	2-Punkt Untergruppe	. . involving pneumatic or hydraulic mechanisms
B22C 15/10	1-Punkt Untergruppe	. Compacting by jarring devices only
B22C 15/12	2-Punkt Untergruppe	. . involving mechanical gearings
B22C 15/14	2-Punkt Untergruppe	. . involving pneumatic or hydraulic mechanisms
B22C 15/16	3-Punkt Untergruppe	. . . the machine having special provision for reducing shock to its frame
B22C 15/18	4-Punkt Untergruppe by means of separate shock-absorbers
B22C 15/20	1-Punkt Untergruppe	. Compacting by centrifugal forces only, e.g. in sand slingers
B22C 15/23	1-Punkt Untergruppe	. Compacting by gas pressure or vacuum [6]
B22C 15/24	2-Punkt Untergruppe	. . involving blowing devices in which the mould material is supplied in the form of loose particles
B22C 15/26	2-Punkt Untergruppe	. . involving propulsion devices in which the mould material is supplied in the shape of a compacted column or the like
B22C 15/264	2-Punkt Untergruppe	. . Compacting after charge of the mould material [6]
B22C 15/268	3-Punkt Untergruppe	. . . involving explosive combustion [6]
B22C 15/272	3-Punkt Untergruppe	. . . involving the storage of gas under pressure [6]
B22C 15/276	3-Punkt Untergruppe	. . . by vacuum, e.g. vacuum-sealed moulding processes [6]
B22C 15/28	1-Punkt Untergruppe	. Compacting by different means acting simultaneously or successively, e.g. preliminary blowing and finally pressing
B22C 15/30	2-Punkt Untergruppe	. . by both pressing and jarring devices
B22C 15/32	3-Punkt Untergruppe	. . . involving mechanical gearing only
B22C 15/34	3-Punkt Untergruppe	. . . involving pneumatic or hydraulic mechanisms only
B22C 17/00	Hauptgruppe	Moulding machines characterised by the mechanism for separating the pattern from the mould or for turning over the flask or the pattern plate

Symbol	Typ	Titel
B22C 17/02	1-Punkt Untergruppe	. Moulding machines with pin lifting arrangement
B22C 17/04	1-Punkt Untergruppe	. Drop-plate moulding machines
B22C 17/06	1-Punkt Untergruppe	. Moulding machines using stripping plates; Stripping plates
B22C 17/08	1-Punkt Untergruppe	. Moulding machines with mechanisms to turn over the pattern plate or the mould around a horizontal axis
B22C 17/10	2-Punkt Untergruppe	. . Turning-over pattern plate and flask only (B22C 17/14 takes precedence)
B22C 17/12	2-Punkt Untergruppe	. . Turning-over pattern plate, flask, and compacting device as a unit (B22C 17/14 takes precedence)
B22C 17/14	2-Punkt Untergruppe	. . arranged to one side of the mould table, so-called roll-over table moulding machines
B22C 19/00	Hauptgruppe	Components or accessories for moulding machines
B22C 19/01	1-Punkt Untergruppe	. Devices for applying sealing coating [6]
B22C 19/02	1-Punkt Untergruppe	. Mould tables
B22C 19/04	1-Punkt Untergruppe	. Controlling devices specially designed for moulding machines
B22C 19/06	1-Punkt Untergruppe	. Devices for rapping or loosening the pattern
B22C 21/00	Hauptgruppe	Flasks; Accessories therefor (stripping plates B22C 17/06)
B22C 21/01	1-Punkt Untergruppe	. for vacuum-sealed moulding [6]
B22C 21/02	1-Punkt Untergruppe	. Sectional flasks, i.e. with divided, articulated, or interchangeable side sections
B22C 21/04	1-Punkt Untergruppe	. Upset frames; Bottom boards or mould boards (pattern plates B22C 7/04)
B22C 21/06	2-Punkt Untergruppe	. . Bottom boards or mould boards
B22C 21/08	1-Punkt Untergruppe	. Clamping equipment
B22C 21/10	1-Punkt Untergruppe	. Guiding equipment
B22C 21/12	1-Punkt Untergruppe	. Accessories
B22C 21/14	2-Punkt Untergruppe	. . for reinforcing or securing moulding materials or cores, e.g. gagers, chaplets, pins, bars
B22C 23/00	Hauptgruppe	Tools; Devices not mentioned before for moulding
B22C 23/02	1-Punkt Untergruppe	. Devices for coating moulds or cores
B22C 25/00	Hauptgruppe	Foundry moulding plants (for preparing mould materials B22C 5/18; in combination with casting plants B22D 47/02)