| Symbol | Typ | Titel |
|---|---|---|
| **B** | **Sektion** | **SECTION B — PERFORMING OPERATIONS; TRANSPORTING** |
| **B29** | **Klasse** | **WORKING OF PLASTICS; WORKING OF SUBSTANCES IN A PLASTIC STATE IN GENERAL (processing doughs A21C; working chocolate A23G; casting of metals B22; working cement, clay B28; chemical aspects, see section C, particularly C08; working glass C03B; candle making C11C 5/02; making soap C11D 13/00; manufacture of artificial filaments, threads, fibres, bristles or ribbons D01D, D01F; manufacture of articles from cellulosic fibrous suspensions or from papier-mâche D21J)** |
| **B29B** | **Unterklasse** | **PREPARATION OR PRETREATMENT OF THE MATERIAL TO BE SHAPED; MAKING GRANULES OR PREFORMS; RECOVERY OF PLASTICS OR OTHER CONSTITUENTS OF WASTE MATERIAL CONTAINING PLASTICS [4]** |
| **B29B 7/00** | **Hauptgruppe** | **Mixing; Kneading (in general B01F; combined with calendering B29C 43/24, with injection B29C 45/46, with extrusion B29C 47/36) [4]** |
| B29B 7/02 | 1-Punkt Untergruppe | . non-continuous, with mechanical mixing or kneading devices, i.e. batch type [4] |
| B29B 7/04 | 2-Punkt Untergruppe | . . with non-movable mixing or kneading devices [4] |
| B29B 7/06 | 2-Punkt Untergruppe | . . with movable mixing or kneading devices [4] |
| B29B 7/08 | 3-Punkt Untergruppe | . . . shaking, oscillating or vibrating [4] |
| B29B 7/10 | 3-Punkt Untergruppe | . . . rotary [4] |
| B29B 7/12 | 4-Punkt Untergruppe | . . . . with single shaft [4] |
| B29B 7/14 | 5-Punkt Untergruppe | . . . . . with screw or helix [4] |
| B29B 7/16 | 5-Punkt Untergruppe | . . . . . with paddles or arms [4] |
| B29B 7/18 | 4-Punkt Untergruppe | . . . . with more than one shaft [4] |
| B29B 7/20 | 5-Punkt Untergruppe | . . . . . with intermeshing devices, e.g. screws [4] |
| B29B 7/22 | 2-Punkt Untergruppe | . . Component parts, details or accessories; Auxiliary operations [4] |
| B29B 7/24 | 3-Punkt Untergruppe | . . . for feeding [4] |
| B29B 7/26 | 3-Punkt Untergruppe | . . . for discharging, e.g. doors [4] |
| B29B 7/28 | 3-Punkt Untergruppe | . . . for measuring, controlling or regulating, e.g. viscosity control [4] |
| B29B 7/30 | 1-Punkt Untergruppe | . continuous, with mechanical mixing or kneading devices [4] |
| B29B 7/32 | 2-Punkt Untergruppe | . . with non-movable mixing or kneading devices [4] |
| B29B 7/34 | 2-Punkt Untergruppe | . . with movable mixing or kneading devices [4] |
| B29B 7/36 | 3-Punkt Untergruppe | . . . shaking, oscillating or vibrating [4] |
| B29B 7/38 | 3-Punkt Untergruppe | . . . rotary (B29B 7/52 takes precedence) [4] |
| B29B 7/40 | 4-Punkt Untergruppe | . . . . with single shaft [4] |
| B29B 7/42 | 5-Punkt Untergruppe | . . . . . with screw or helix [4] |
| B29B 7/44 | 5-Punkt Untergruppe | . . . . . with paddles or arms [4] |

| Symbol | Typ | Titel |
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| B29B 7/46 | 4-Punkt Untergruppe | . . . . with more than one shaft [4] |
| B29B 7/48 | 5-Punkt Untergruppe | . . . . . with intermeshing devices, e.g. screws [4] |
| B29B 7/50 | 4-Punkt Untergruppe | . . . . with rotary casing [4] |
| B29B 7/52 | 3-Punkt Untergruppe | . . . with rollers or the like, e.g. calenders [4] |
| B29B 7/54 | 4-Punkt Untergruppe | . . . . with a single roller co-operating with a stationary member [4] |
| B29B 7/56 | 4-Punkt Untergruppe | . . . . with co-operating rollers [4] |
| B29B 7/58 | 2-Punkt Untergruppe | . . Component parts, details or accessories; Auxiliary operations [4] |
| B29B 7/60 | 3-Punkt Untergruppe | . . . for feeding, e.g. end guides for the incoming material [4] |
| B29B 7/62 | 3-Punkt Untergruppe | . . . Rollers, e.g. with grooves [4] |
| B29B 7/64 | 3-Punkt Untergruppe | . . . Stripping the material from the rollers [4] |
| B29B 7/66 | 3-Punkt Untergruppe | . . . Recycling the material [4] |
| B29B 7/68 | 3-Punkt Untergruppe | . . . Positioning of rollers [4] |
| B29B 7/70 | 3-Punkt Untergruppe | . . . Conditioning of rollers, e.g. cleaning [4] |
| B29B 7/72 | 3-Punkt Untergruppe | . . . Measuring, controlling or regulating [4] |
| B29B 7/74 | 1-Punkt Untergruppe | . using other mixers or combinations of dissimilar mixers [4] |
| B29B 7/76 | 2-Punkt Untergruppe | . . with stream impingement mixing head [4] |
| B29B 7/78 | 2-Punkt Untergruppe | . . by gravity, e.g. falling particle mixers [4] |
| B29B 7/80 | 1-Punkt Untergruppe | . Component parts, details or accessories; Auxiliary operations (B29B 7/22, B29B 7/58 take precedence) [4] |
| B29B 7/82 | 2-Punkt Untergruppe | . . Heating or cooling [4] |
| B29B 7/84 | 2-Punkt Untergruppe | . . Venting or degassing [4] |
| B29B 7/86 | 2-Punkt Untergruppe | . . for working at sub- or superatmospheric pressure [4] |
| B29B 7/88 | 2-Punkt Untergruppe | . . Adding charges [4] |
| B29B 7/90 | 3-Punkt Untergruppe | . . . Fillers or reinforcements [4] |
| B29B 7/92 | 4-Punkt Untergruppe | . . . . Wood chips or wood fibres [4] |
| B29B 7/94 | 3-Punkt Untergruppe | . . . Liquid charges [4] |
| **B29B 9/00** | **Hauptgruppe** | **Making granules (in general B01J; chemical aspects C08J 3/12) [4]** |
| B29B 9/02 | 1-Punkt Untergruppe | . by dividing preformed material [4] |
| B29B 9/04 | 2-Punkt Untergruppe | . . in the form of plates or sheets [4] |
| B29B 9/06 | 2-Punkt Untergruppe | . . in the form of filamentary material, e.g. combined with extrusion [4] |
| B29B 9/08 | 1-Punkt Untergruppe | . by agglomerating smaller particles [4] |
| B29B 9/10 | 1-Punkt Untergruppe | . by moulding the material, i.e. treating it in the molten state [4] |
| B29B 9/12 | 1-Punkt Untergruppe | . characterised by structure or composition [4] |

| Symbol | Typ | Titel |
|---|---|---|
| B29B 9/14 | 2-Punkt Untergruppe | . . fibre-reinforced [4] |
| B29B 9/16 | 1-Punkt Untergruppe | . Auxiliary treatment of granules [4] |
| **B29B 11/00** | **Hauptgruppe** | **Making preforms (B29C 61/06 takes precedence) [4]** |
| B29B 11/02 | 1-Punkt Untergruppe | . by dividing preformed material, e.g. sheets, rods [4] |
| B29B 11/04 | 1-Punkt Untergruppe | . by assembling preformed material [4] |
| B29B 11/06 | 1-Punkt Untergruppe | . by moulding the material [4] |
| B29B 11/08 | 2-Punkt Untergruppe | . . Injection moulding [4] |
| B29B 11/10 | 2-Punkt Untergruppe | . . Extrusion moulding [4] |
| B29B 11/12 | 2-Punkt Untergruppe | . . Compression moulding [4] |
| B29B 11/14 | 1-Punkt Untergruppe | . characterised by structure or composition [4] |
| B29B 11/16 | 2-Punkt Untergruppe | . . comprising fillers or reinforcements [4] |
| **B29B 13/00** | **Hauptgruppe** | **Conditioning or physical treatment of the material to be shaped (chemical aspects C08J 3/00) [4]** |
| B29B 13/02 | 1-Punkt Untergruppe | . by heating (B29B 13/06, B29B 13/08 take precedence) [4] |
| B29B 13/04 | 1-Punkt Untergruppe | . by cooling [4] |
| B29B 13/06 | 1-Punkt Untergruppe | . by drying (B29B 13/08 takes precedence) [4] |
| B29B 13/08 | 1-Punkt Untergruppe | . by using wave energy or particle radiation [4] |
| B29B 13/10 | 1-Punkt Untergruppe | . by grinding, e.g. by triturating; by sieving; by filtering [4] |
| **B29B 15/00** | **Hauptgruppe** | **Pretreatment of the material to be shaped, not covered by groups B29B 7/00-B29B 13/00 [4]** |
| B29B 15/02 | 1-Punkt Untergruppe | . of crude rubber, gutta-percha, or similar substances (tapping latex A01G; chemical aspects C08C) [4] |
| B29B 15/04 | 2-Punkt Untergruppe | . . Coagulating devices [4] |
| B29B 15/06 | 2-Punkt Untergruppe | . . Washing devices [4] |
| B29B 15/08 | 1-Punkt Untergruppe | . of reinforcements or fillers (chemical aspects C08J, C08K) [4] |
| B29B 15/10 | 2-Punkt Untergruppe | . . Coating or impregnating (applying liquids in general B05) [4] |
| B29B 15/12 | 3-Punkt Untergruppe | . . . of reinforcements of indefinite length [4] |
| B29B 15/14 | 4-Punkt Untergruppe | . . . . of filaments or wires [4] |
| **B29B 17/00** | **Hauptgruppe** | **Recovery of plastics or other constituents of waste material containing plastics (chemical recovery C08J 11/00) [4]** |
| B29B 17/02 | 1-Punkt Untergruppe | . Separating plastics from other materials [4] |
| *B29B 17/04* | *1-Punkt Untergruppe* | *. Disintegrating plastics ( B29B 9/02 , B29B 11/02 , B29B 13/10 take precedence ) [2006.01]* |