Title (en)

Method for producing an intermediate product for injection moulding

Title (de)

Verfahren zur Herstellung eines spritzgussfähigen Zwischenprodukts

Title (fr)

Procédé pour la fabrication d'un produit intermédiaire pour moulage par injection

Publication

EP 0956918 B1 20020807 (DE)

Application

EP 99109012 A 19990506

Priority

DE 19821072 A 19980512

Abstract (en)

[origin: EP0956918A1] Dry, pasty or liquid raw materials and at least one bonding agent are converted in a mixing container by means of rapidly rotating mixing elements first into a powder mixture. The powder mixture is then converted into the intermediate product by heating as a result mechanical action of at least the mixing elements. Preferred Features: The mixture consisting of raw materials and at least one bonding agent is heated by mechanical action to a temperature below the melting point of the bonding agent, and is agglomerated. Alternatively the bonding agent is melted by mechanical action in the mixing container to produce a paste. The paste is cooled and agglomerated in the mixing container. Metal or ceramic powders are used as the raw materials for the intermediate product. At least one organic bonding agent is used.

IPC 1-7

B22F 1/00; B22F 3/11; B29B 9/08; B29B 9/10; B29B 11/06; B01F 7/00

IPC 8 full level

B01F 25/90 (2022.01); **B22F 1/148** (2022.01); **B22F 3/11** (2006.01); **B22F 3/22** (2006.01); **B29B 9/08** (2006.01); **B29B 9/10** (2006.01); **B29B 11/06** (2006.01)

CPC (source: EP US)

B01F 25/90 (2022.01 - EP US); **B01F 27/80** (2022.01 - EP US); **B01F 33/70** (2022.01 - EP US); **B01F 35/92** (2022.01 - EP US); **B22F 1/148** (2022.01 - EP US); **B22F 3/225** (2013.01 - EP US); B22F 2998/00 (2013.01 - EP US)

C-Set (source: EP US)

B22F 2998/00 + B22F 3/225

Cited by

CN104139180A; EP2801560A3; EP2765123A1; EP2801560A2; US9908261B2

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