

Title (en)

Device for demolding castings solidified in sand-casting molds

Title (de)

Vorrichtung zur Entformung in Sandgießform erstarrter Gussteile

Title (fr)

Dispositif démoulage de pièces coulées solidifiées dans un moule de coulée en sable

Publication

EP 2386367 A3 20150114 (DE)

Application

EP 11003678 A 20110505

Priority

DE 102010020216 A 20100512

Abstract (en)

[origin: EP2386367A2] The device for demolding solidified castings (6) in a sand casting mold part (1), comprises mutually parallel support rails for receiving the castings, arranged against the transport direction in the sand casting mold part. The sand casting mold part is transported away in sequence on a carrier substrate (2) from a pouring position (3). The carrier substrate extends up to a decomposition position of the sand casting mold part. The material of the sand casting mold part falls through the support rail for receiving the castings. The decomposition position is determined by a trailing edge (12). The device for demolding solidified castings (6) in a sand casting mold part (1), comprises mutually parallel support rails for receiving the castings, arranged against the transport direction in the sand casting mold part. The sand casting mold part is transported away in sequence on a carrier substrate (2) from a pouring position (3). The carrier substrate extends up to a decomposition position of the sand casting mold part. The material of the sand casting mold part falls through the support rail for receiving the castings. The decomposition position is determined by a trailing edge (12) of the carrier substrate. The castings are: suspended between the support rails by a gate expansion; transported away on the other end of the support rail to the further preparation; transported away under rotation around a vertical axis; supplied a separator for separating sprues (8); and slidingly movable on the support rail by transporting of the sand casting mold part including the castings. The carrier substrate forms a slideway on which the sand casting mold part is moved adjacent to each other or/and the carrier substrate itself is moved in the transport direction. The separator includes a shearing device with a matrix and a stamp.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

[X1] JP S5762854 A 19820416 - TOYOTA MOTOR CO LTD

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Designated extension state (EPC)

BA ME

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