Title (en)

DELIVERY DEVICE FOR A METAL MELT IN AN INJECTION PRESS

Title (de)

FÖRDERVORRICHTUNG FÜR EINE METALLSCHMELZE IN EINEM SPRITZDRUCKAGGREGAT

Title (fr)

DISPOSITIF DE TRANSPORT POUR UN BAIN DE MÉTAL FONDU DANS UNE UNITÉ D'INJECTION SOUS PRESSION

Publication

EP 2855051 A1 20150408 (DE)

Application

EP 13731678 A 20130531

Priority

- DE 102012010923 A 20120604
- EP 2013001601 W 20130531

Abstract (en)

[origin: CA2874307A1] A delivery device for a metal melt in an injection-moulding machine, for example a metal casting machine, has a storage container for the metal melt and a delivery channel in which the metal melt is fed to a mould cavity. In this case, provision is made for the delivery channel to comprise a cylindrical bore in which a piston is arranged in an axially adjustable manner. Provided for the metal melt is a collection chamber from which the metal melt is introduced into the mould cavity through a continuing line as a result of an axial displacement of the piston. Formed between the outer wall of the piston and the inner wall of the cylindrical bore is an annular space which is connected to the collecting chamber via at least one filling bore. At its end that opens into the collecting chamber, the filling bore is closable by means of a valve body which is connected to an adjustable valve rod which is arranged in a displaceable manner in an axial bore of the piston.

IPC 8 full level

B22D 17/20 (2006.01); **B22D 39/02** (2006.01)

CPC (source: CN EP US)

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Citation (search report)

See references of WO 2013182284A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

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