

Title (en)

FILTER-FEEDER AND METHOD FOR PRODUCING A CASTING MOULD

Title (de)

FLITERSPEISER UND VERFAHREN ZUR HERSTELLUNG EINER GIESSFORM

Title (fr)

DISPOSITIF D'ALIMENTATION A FILTRE ET PROCEDE DE PRODUCTION D'UN MOULE

Publication

EP 1879709 A1 20080123 (DE)

Application

EP 06742707 A 20060426

Priority

- EP 2006003882 W 20060426
- DE 102005019385 A 20050426

Abstract (en)

[origin: DE102005019385A1] The funnel (1) top opening (6) lies opposite the bottom opening (7). The latter transfers molten metal from the intervening feeder chamber (5) into the casting cavity of the mold. The novel feature is a filter element (9) in the upper part of the feeder chamber. The filter element is spaced from the top opening. It is made from pressed, extruded or foamed ceramic. The feeder chamber (5) tapers downwardly. The funnel is two-part, comprising a tubular first section (3) and a conical second section (4) accommodating the filter element. A cover (13) closes the top opening. It is a sheet. It is domed. A filling material is located between cover and filter element. The filter element includes a mounting (11) for a spring-loaded mandrel. The bottom opening includes a component capable of absorbing energy. It is a tubular bush (15) interference-fitted into the bottom opening and sliding in the feeder cavity. It is a bellows, supported against the bottom opening. It has a funnel or key-shaped casing end. A frangible core is provided in the bottom opening. An independent claim is included for the method of making a casting mold incorporating the casting funnel.

IPC 8 full level

B22C 9/08 (2006.01)

CPC (source: EP)

B22C 9/088 (2013.01)

Citation (search report)

See references of WO 2006114304A1

Cited by

CN103394648A

Designated contracting state (EPC)

DE NL

DOCDB simple family (publication)

DE 102005019385 A1 20061102; EP 1879709 A1 20080123; WO 2006114304 A1 20061102

DOCDB simple family (application)

DE 102005019385 A 20050426; EP 06742707 A 20060426; EP 2006003882 W 20060426