

Title (en)
Riser funnel

Title (de)
Schornsteinspeiser

Title (fr)
Cheminée masselotte

Publication
EP 1625903 A3 20060614 (EN)

Application
EP 05385201 A 20050617

Priority
ES 200401560 A 20040617

Abstract (en)
[origin: EP1625903A2] The riser or feeder is a metal storehouse that is attached to pieces with the aim of compensating for the metal contraction phenomenon and of avoiding internal soundness defects known as cavities or porosities, which result in the rejection of pieces in the casting process. This invention aims at obtaining better feeding head efficiency than is achieved at present, whether coated or not, the cost of which will be less and which will not need any coating. The riser is made up of a single element, which is moulded at the same time as the rest of the piece mould. It consists of an upper chamber, vertical or quasi-vertical, a bottom chamber, which is wider, and at least one conduit that stems from the bottom chamber, through which the metal flows from the feeder to the piece.

IPC 8 full level
B22C 9/08 (2006.01)

CPC (source: EP ES)
B22C 9/08 (2013.01 - ES); **B22C 9/088** (2013.01 - EP)

Citation (search report)

- [X] EP 0265112 A2 19880427 - FOSECO INT [GB]
- [X] JP S54104443 A 19790816 - HITACHI METALS LTD
- [X] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 02 26 February 1999 (1999-02-26)
- [X] PATENT ABSTRACTS OF JAPAN vol. 009, no. 117 (M - 381) 22 May 1985 (1985-05-22)

Cited by
CN113275512A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
EP 1625903 A2 20060215; EP 1625903 A3 20060614; ES 2253082 A1 20060516; ES 2253082 B1 20070301

DOCDB simple family (application)
EP 05385201 A 20050617; ES 200401560 A 20040617