

Title (en)
Feeder cap with integrated transport device

Title (de)
Speiserkappe mit integrierter Transportvorrichtung

Title (fr)
Capuchon de système d'alimentation doté d'un dispositif de transport intégré

Publication
EP 2452764 A1 20120516 (DE)

Application
EP 11188170 A 20111108

Priority
DE 102010051348 A 20101113

Abstract (en)
The feeder cap for maintaining the volume shrinkage of casting material occurring during the solidification of the casting through an integrated transport device (10), comprises anchor arms (11) plunging into a feeder body (4), and a coupling part (12) cooperatively with a further transport device projecting through a ceiling cap (3). Two anchor arms are uniformly distributed on the circumference submerge on/in the vicinity of an inner surface of the feeder cap wall into the feeder body. The anchor arms comprise recesses (13). The feeder cap for maintaining the volume shrinkage of casting material occurring during the solidification of the casting through an integrated transport device (10), comprises anchor arms (11) plunging into a feeder body (4), and a coupling part (12) cooperatively with a further transport device projecting through a ceiling cap (3). Two anchor arms are uniformly distributed on the circumference submerge on/in the vicinity of an inner surface of the feeder cap wall into the feeder body. The anchor arms comprise recesses (13) for making a positive connection with the feeder body. The transport device is made of a recyclable material from the material to be cast.

Abstract (de)
Um nach erfolgtem Abguß und Entkernung eines Gußteils dessen Weitertransport zu vereinfachen und zu automatisieren wird in die Speiserkappe 1 eine Transportvorrichtung 10 integriert, wobei diese besteht aus in den Speiserkörper 4 eintauchenden Ankerarmen 11 und einem durch die Kappendecke 3 ragenden, mit einer Weitertransportanlage zusammenwirkenden Kupplungsteil 12, welches im einfachsten Fall ein Aufhängehaken sein kann.

IPC 8 full level
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CPC (source: EP)
B22C 9/02 (2013.01); **B22C 9/06** (2013.01); **B22C 9/088** (2013.01); **B22C 21/00** (2013.01); **B22D 19/04** (2013.01)

Citation (applicant)
• WO 03043781 A2 20030530 - O'NEILL MICHAEL [GB], et al
• DE 3134159 A1 19830310 - NORDDEUTSCHE AFFINERIE [DE]

Citation (search report)
• [A] DE 1934239 U 19660310 - STERLING DETROIT COMPANY [US]
• [A] DE 19503754 A1 19950817 - GEORG FISCHER GIESEREIANLAGEN [CH]
• [A] EP 1498197 A1 20050119 - MAN NUTZFAHRZEUGE AG [DE]
• [A] WO 03043761 A2 20030530 - GTP SCHAEFER GIESSTECHNISCHE P [DE], et al

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

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DE 102010051348 B3 20111103; EP 2452764 A1 20120516; EP 2452764 B1 20140723

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