Title (en)

Intermediate device for casting articles.

Title (de)

Zwischenstück zum Giessen von Gegenständen.

Title (fr)

Dispositif intermédiaire pour la coulée de pièces moulées.

Publication

EP 0477119 A1 19920325 (FR)

Application

EP 91470021 A 19910814

Priority

FR 9010798 A 19900827

Abstract (en)

[origin: US5184665A] The upper surface of an interconnecting wear device 3 is positioned in contact with the lower surface of a sand mold 1, and is centered under a molten metal feed shaft 12 which opens into the bottom of the mold. The bottom surface of the wear device rests on the upper surface of a vertically upstanding casting nose 4. The wear device comprises a hollow steel collar 7 surrounding a compressed concrete annulus 18, in turn surrounding a refractory clay sleeve 8, and is easily replaced when leakage develops due to thermal shocks, etc.

Abstract (fr)

La partie supérieure du dispositif intermédiaire d'usure (3) est positionnée au contact de la partie inférieure du moule (1), le dispositif (3) étant centré par rapport au puits de coulée (12) ouvert vers le bas du moule (1), la partie inférieure du dispositif venant au contact de la face supérieure du nez de coulée (4). Application à la coulée sous basse pression de pièces moulées à partir d'un four de fusion ou d'une poche de coulée dans un moule. <IMAGE>

IPC 1-7

B22D 18/04

IPC 8 full level

B22D 41/50 (2006.01); **B22D 18/04** (2006.01); **B22D 41/56** (2006.01)

CPC (source: EP US)

B22D 18/04 (2013.01 - EP US)

Citation (search report)

- [X] FR 2378591 A1 19780825 - BUSCHER KG [DE]
- [X] DE 1156942 B 19631107 - ALCAN ALUMINIUMWERKE
- [X] FR 2289279 A1 19760528 - ACTIVITE ATOM AVANCE [FR]
- [X] EP 0152754 A1 19850828 - PONT A MOUSSON [FR]

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CN108918314A; US6431785B1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0477119 A1 19920325; **EP 0477119 B1 19950802**; AT E125739 T1 19950815; BR 9103668 A 19920519; CA 2049816 A1 19920228; CA 2049816 C 19960910; CS 263791 A3 19920318; CZ 290725 B6 20021016; DE 69111729 D1 19950907; DE 69111729 T2 19960118; DK 0477119 T3 19951227; ES 2069512 T1 19950516; ES 2069512 T3 19951116; FI 913994 A0 19910823; FI 913994 A 19920228; FI 96100 B 19960131; FI 96100 C 19960510; FR 2666036 A1 19920228; FR 2666036 B1 19941216; GR 3017024 T3 19951130; HU 208930 B 19940228; HU 912587 D0 19920128; HU T60944 A 19921130; JP 2611067 B2 19970521; JP H0732123 A 19950203; MX 9100815 A 19920401; NO 179035 B 19960415; NO 179035 C 19960724; NO 913306 D0 19910823; NO 913306 L 19920228; PL 169288 B1 19960628; PL 291507 A1 19920406; RU 2074052 C1 19970227; US 5184665 A 19930209

DOCDB simple family (application)

EP 91470021 A 19910814; AT 91470021 T 19910814; BR 9103668 A 19910826; CA 2049816 A 19910826; CS 263791 A 19910827; DE 69111729 T 19910814; DK 91470021 T 19910814; ES 91470021 T 19910814; FI 913994 A 19910823; FR 9010798 A 19900827; GR 950401875 T 19950803; HU 258791 A 19910802; JP 24054591 A 19910827; MX 9100815 A 19910826; NO 913306 A 19910823; PL 29150791 A 19910823; SU 5001378 A 19910823; US 75035291 A 19910827