

Title (en)

CLOSURE DEVICE FOR A MOLTEN METAL VESSEL

Publication

**EP 0437726 A3 19920422 (DE)**

Application

**EP 90123654 A 19901208**

Priority

DE 4001095 A 19900117

Abstract (en)

[origin: EP0437726A2] A closure device for a molten metal vessel is to be configured in such a way that solidified melt zones are carried away through the throughflow channel (7) during the initial casting process. For this purpose, the cross-section of flow of the throughflow channel (7) widens from an inlet opening (8) in the melt to an outlet opening (12). <IMAGE>

IPC 1-7

**B22D 41/14**

IPC 8 full level

**B22D 11/10** (2006.01); **B22D 41/14** (2006.01)

CPC (source: EP KR US)

**B22D 41/00** (2013.01 - KR); **B22D 41/14** (2013.01 - EP US)

Citation (search report)

- [YD] EP 0308597 A2 19890329 - DIDIER WERKE AG [DE]
- [Y] GB 2028474 A 19800305 - NIPPON KOKAN KK
- [AD] US 3511471 A 19700512 - ROSSI IRVING
- [A] FR 1553542 A 19690110
- [A] DE 1923045 A1 19691127 - UNITED STATES STEEL CORP
- [A] EP 0040692 A1 19811202 - STOPINC AG [CH]
- [A] CH 500794 A 19701231 - METACON AG [CH]

Designated contracting state (EPC)

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

DOCDB simple family (publication)

**EP 0437726 A2 19910724; EP 0437726 A3 19920422**; BR 9100172 A 19911022; CA 2034255 A1 19910718; CN 1053377 A 19910731; DE 4001095 A1 19910718; JP H0569113 A 19930323; KR 910014166 A 19910831; US 5145634 A 19920908; ZA 9010051 B 19911030

DOCDB simple family (application)

**EP 90123654 A 19901208**; BR 9100172 A 19910116; CA 2034255 A 19910116; CN 91100276 A 19910116; DE 4001095 A 19900117; JP 41918790 A 19901213; KR 910000297 A 19910110; US 63105890 A 19901219; ZA 9010051 A 19901213