

Title (en)
Shut-off and/or control device.

Title (de)
Schliess- und/oder Regelorgan.

Title (fr)
Dispositif de fermeture et/ou de réglage.

Publication
EP 0436813 B1 19950712 (DE)

Application
EP 90122385 A 19901123

Priority
DE 4000656 A 19900111

Abstract (en)
[origin: CA2033284A1] CLOSURE AND/OR CONTROL ELEMENT A closure and/or control element for an elongate outlet of a vessel containing a metal melt has a tubular, immovable valve member (6) and a tubular valve member (7) which is rotatable on it. Elongate slits (8,9) in the valve members (6,7) enable casting close to final dimensions. Radial flow through the inner valve member (6,7) is to be avoided. The stability of the valve members is to be improved. The internal space (11) within the inner valve member (6,7) is closed at its one end (12). Opposite to the latter it defines an inlet opening (14) .

IPC 1-7
B22D 41/14

IPC 8 full level
B22D 11/06 (2006.01); **B22D 11/10** (2006.01); **B22D 41/14** (2006.01); **B22D 41/22** (2006.01)

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

Cited by
FR2670416A1

Designated contracting state (EPC)
AT BE CH DE DK ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)
EP 0436813 A2 19910717; EP 0436813 A3 19920401; EP 0436813 B1 19950712; AT E124896 T1 19950715; BR 9100082 A 19911022; CA 2033284 A1 19910712; CN 1031045 C 19960221; CN 1053202 A 19910724; DE 4000656 A1 19910718; DE 4000656 C2 19921203; DE 59009401 D1 19950817; DK 0436813 T3 19951002; ES 2075868 T3 19951016; GR 3017539 T3 19951231; JP H0687055 A 19940329; KR 910014165 A 19910831; US 5054665 A 19911008; ZA 9010002 B 19911030

DOCDB simple family (application)
EP 90122385 A 19901123; AT 90122385 T 19901123; BR 9100082 A 19910110; CA 2033284 A 19901227; CN 91100079 A 19910109; DE 4000656 A 19900111; DE 59009401 T 19901123; DK 90122385 T 19901123; ES 90122385 T 19901123; GR 950402659 T 19950927; JP 41575290 A 19901213; KR 900021715 A 19901226; US 62336390 A 19901206; ZA 9010002 A 19901212