

Title (en)

SHUT-OFF AND/OR CONTROL MECHANISM FOR THE OUTLET OF A VESSEL CONTAINING METAL

Publication

EP 0480202 B1 19930804 (DE)

Application

EP 91115608 A 19910914

Priority

DE 4032083 A 19901010

Abstract (en)

[origin: EP0480202A1] In a shut-off and/or control mechanism for the outlet of a metallurgical vessel, a driving rod (13) extends in an internal space (9) of a rotatable, refractory, ceramic shut-off and/or control element (6). Its outer end is connected to a unit for driving the shut-off and/or control element. In the internal space (9), its inner end region engages on the shut-off and/or control element (6). In order to permit the operation of the shut-off and/or control mechanism without cooling, the driving rod (13) is composed of a ceramic material, at least in its inner end region. <IMAGE>

IPC 1-7

B22D 41/14

IPC 8 full level

B22D 11/10 (2006.01); **B22D 41/14** (2006.01); **B22D 41/18** (2006.01)

CPC (source: EP KR US)

B22D 11/10 (2013.01 - KR); **B22D 41/14** (2013.01 - EP KR US); **B22D 41/18** (2013.01 - KR)

Cited by

EP0480239B1

Designated contracting state (EPC)

AT BE DE ES FR GB IT NL SE

DOCDB simple family (publication)

EP 0480202 A1 19920415; **EP 0480202 B1 19930804**; AT E92383 T1 19930815; BR 9104372 A 19920609; CA 2053066 A1 19920411; DE 4032083 A1 19920416; DE 4032083 C2 19920917; DE 59100256 D1 19930909; ES 2044669 T3 19940101; JP H04262855 A 19920918; KR 920007721 A 19920527; US 5183624 A 19930202; ZA 917483 B 19920624

DOCDB simple family (application)

EP 91115608 A 19910914; AT 91115608 T 19910914; BR 9104372 A 19911009; CA 2053066 A 19911009; DE 4032083 A 19901010; DE 59100256 T 19910914; ES 91115608 T 19910914; JP 31302391 A 19910920; KR 910017498 A 19911002; US 77422991 A 19911010; ZA 917483 A 19910919