

Title (en)
SLIDING GATE DEVICE FOR A VESSEL CONTAINING MOLTEN METAL

Title (de)
SCHIEBERVERSCHLUSS FÜR EIN METALSCHMELZE ENTHALTENDES GEFÄSS

Title (fr)
DISPOSITIF DE TIROIR POUR RESERVOIR CONTENANT UN METAL EN FUSION

Publication
EP 0883454 A1 19981216 (FR)

Application
EP 97907130 A 19970226

Priority

- FR 9700339 W 19970226
- FR 9602382 A 19960227

Abstract (en)
[origin: FR2745209A1] A sliding gate device for a vessel containing molten metal is disclosed. The device includes a stationary body (18, 20) defining an internal chamber (26) with an upstream wall and a downstream wall, each of said walls being provided with an opening, and said openings being opposite one another, as well as a sliding gate (28) movably mounted in said chamber and provided with at least one through-hole between its main surfaces. The sliding gate is guided by said chamber and a clearance is provided between the main sliding gate surfaces (28a, 28b) and the inner chamber wall. First and second means (40, 42) are provided for generating gas pressure in said chamber to provide a sealing gas flow between said sliding gate surfaces and the upstream and downstream chamber walls, whereby metal seepage is prevented. The first means (40) move the sliding gate in a first direction and the second means (42) move the sliding gate in the opposite direction.

IPC 1-7
B22D 41/42; **B22D 41/38**

IPC 8 full level
B22D 11/10 (2006.01); **B22D 41/38** (2006.01); **B22D 41/42** (2006.01)

CPC (source: EP)
B22D 41/38 (2013.01); **B22D 41/42** (2013.01)

Citation (search report)
See references of WO 9731737A1

Designated contracting state (EPC)
BE DE ES GB IT

DOCDB simple family (publication)
FR 2745209 A1 19970829; **FR 2745209 B1 19980515**; AU 1928997 A 19970916; BR 9707784 A 19990727; EP 0883454 A1 19981216; JP 2001501535 A 20010206; TW 330869 B 19980501; WO 9731737 A1 19970904; ZA 971406 B 19980623

DOCDB simple family (application)
FR 9602382 A 19960227; AU 1928997 A 19970226; BR 9707784 A 19970226; EP 97907130 A 19970226; FR 9700339 W 19970226; JP 53066597 A 19970226; TW 86102438 A 19970227; ZA 971406 A 19970219