

Title (en)  
APPARATUS FOR TAPPING MOLTEN METAL

Title (de)  
VORRICHTUNG ZUM ABSTECHEN VON METALLSCHMELZE

Title (fr)  
APPAREIL POUR LE PRELEVEMENT DE METAUX EN FUSION

Publication  
**EP 1425545 B1 20050518 (EN)**

Application  
**EP 02747784 A 20020722**

Priority  
• NO 0200269 W 20020722  
• NO 20013908 A 20010810

Abstract (en)  
[origin: WO03014646A1] Molten metal is tapped from an aluminium electrolytic furnace to a crucible (10) having a substantially circular cross-section supported in a transporting device with the axis (20) of the crucible (10) substantially horizontal. The crucible (10) has end walls (24) provided with means (44) for horizontal suspension of the crucible in the transporting device via a support structure (12) comprising two parallel, spaced guides (58) to be mounted in the transporting device displaceable along a ramp, and two crucible-support members (54) displaceably accommodated in a respective one of the two guides. A carriage for use in tapping molten metal from aluminium electrolytic furnaces comprises a crucible (10) and a support structure (12) as described above.

IPC 1-7  
**F27D 3/14**; **F27D 3/06**; **B22D 41/12**; **B60P 1/64**

IPC 8 full level  
**B22D 41/12** (2006.01); **F27D 3/06** (2006.01); **F27D 3/14** (2006.01); **F27B 3/19** (2006.01); **F27D 3/00** (2006.01)

CPC (source: EP)  
**B22D 41/12** (2013.01); **F27D 3/06** (2013.01); **F27D 3/14** (2013.01); **F27B 3/19** (2013.01); **F27D 2003/0054** (2013.01)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)  
**WO 03014646 A1 20030220**; AT E295954 T1 20050615; CN 100400998 C 20080709; CN 1541325 A 20041027; DE 60204228 D1 20050623; DE 60204228 T2 20060126; EP 1425545 A1 20040609; EP 1425545 B1 20050518; NO 20013908 A 20020521; NO 20013908 D0 20010810; NO 312501 B1 20020521

DOCDB simple family (application)  
**NO 0200269 W 20020722**; AT 02747784 T 20020722; CN 02815736 A 20020722; DE 60204228 T 20020722; EP 02747784 A 20020722; NO 20013908 A 20010810