

Title (en)
DISCHARGE CHANNEL FOR MELTING FURNACES AND POURING LADLES

Title (de)
ABSTICHKANAL FÜR SCHMELZÖFEN UND GIESSPFANNEN

Title (fr)
CHENAL DE COULEE DE RECIPIENTS DE FUSION ET POCHE DE COULEE

Publication
EP 1183398 A1 20020306 (DE)

Application
EP 00936858 A 20000605

Priority
• DE 19925598 A 19990604
• EP 0005090 W 20000605

Abstract (en)
[origin: DE19925598A1] When melts are discharged from a metallurgic melting vessel through a discharge opening provided in the floor of the furnace, a hollow swirl (vortex) can form, resulting in an unwanted carry-over of slag. The aim of the invention is to prevent this hollow swirl from forming. To this end, the discharge channel (11) has a non-circular form and is slot-shaped or elliptic, at least on the side of the incoming melt (12).

IPC 1-7
C21C 5/46; **B22D 41/50**; **F27D 3/14**

IPC 8 full level
B22D 41/50 (2006.01); **B22D 43/00** (2006.01); **C21C 5/46** (2006.01); **C21C 5/52** (2006.01); **C21C 7/00** (2006.01); **F27B 3/19** (2006.01); **F27D 3/14** (2006.01)

CPC (source: EP KR)
B22D 43/001 (2013.01 - EP); **C21C 5/4653** (2013.01 - EP); **F27D 3/14** (2013.01 - KR); **F27D 3/1518** (2013.01 - EP)

Citation (search report)
See references of WO 0075380A1

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

DOCDB simple family (publication)
DE 19925598 A1 20001207; BR 0011315 A 20020312; CA 2376066 A1 20001214; CN 1353770 A 20020612; EG 22473 A 20030226; EP 1183398 A1 20020306; JP 2003501608 A 20030114; KR 20020016818 A 20020306; MX PA01012411 A 20040910; TR 200103499 T2 20020722; WO 0075380 A1 20001214

DOCDB simple family (application)
DE 19925598 A 19990604; BR 0011315 A 20000605; CA 2376066 A 20000605; CN 00808403 A 20000605; EG 20000729 A 20000603; EP 0005090 W 20000605; EP 00936858 A 20000605; JP 2001501658 A 20000605; KR 20017015598 A 20011204; MX PA01012411 A 20000605; TR 200103499 T 20000605