

Title (en)
An immersed casting tube

Title (de)
Tauchgiessrohr

Title (fr)
Tuyau de coulée par immersion

Publication
EP 0694359 B1 19990414 (DE)

Application
EP 95890139 A 19950724

Priority
AT 147094 A 19940725

Abstract (en)
[origin: EP0694359A1] The immersed casting pipe (1) for introduction of a metal melt (11), in partic., a steel melt into a continuous casting mould (4), in partic., a thin-strip mould with narrow and broad sides (6,7), incorporates a section (15) with side openings (18) directed against the narrow sides (8) of the strip (5), and a bottom section (3) with a bottom opening (23). The bottom section (3) has at least two bottom openings (23) inclined towards the narrow sides of the strip, and form at least two melt streams (24) whose direction cross one another when viewed from a direction perpendicular to the broad side (9) of the strip. <IMAGE>

IPC 1-7
B22D 41/50

IPC 8 full level
B22D 11/10 (2006.01); **B22D 11/11** (2006.01); **B22D 11/112** (2006.01); **B22D 11/116** (2006.01); **B22D 41/50** (2006.01)

CPC (source: EP US)
B22D 41/50 (2013.01 - EP US)

Cited by
CN102886515A; US5944261A; US6152336A; US6027051A; WO2007138260A3; US8584911B2; US9162284B2; US6464154B1; WO9748512A1; WO9814292A1

Designated contracting state (EPC)
DE FR IT NL

DOCDB simple family (publication)
EP 0694359 A1 19960131; EP 0694359 B1 19990414; AT 400935 B 19960425; AT A147094 A 19950915; CA 2154527 A1 19960126; DE 59505632 D1 19990520; JP H0852547 A 19960227; US 5603860 A 19970218

DOCDB simple family (application)
EP 95890139 A 19950724; AT 147094 A 19940725; CA 2154527 A 19950724; DE 59505632 T 19950724; JP 18953995 A 19950725; US 50686395 A 19950725