

Title (en)
LIQUID-COOLED MOULD

Title (de)
FLÜSSIGKEITSGEKÜHLTE KOKILLE

Title (fr)
COQUILLE A REFROIDISSEMENT PAR UN LIQUIDE

Publication
EP 0912271 B1 20000823 (DE)

Application
EP 97924881 A 19970507

Priority
• DE 9700961 W 19970507
• DE 19619073 A 19960513
• DE 19716450 A 19970421

Abstract (en)
[origin: US6145579A] PCT No. PCT/DE97/00961 Sec. 371 Date Nov. 13, 1998 Sec. 102(e) Date Nov. 13, 1998 PCT Filed May 7, 1997 PCT Pub. No. WO97/43063 PCT Pub. Date Nov. 20, 1997A liquid-cooled chill mold for continuous casting of thin steel slabs is disclosed whose cross-sectional length is a multiple of the cross-sectional width, having two opposing wide side walls, each with a copper liner and a backing plate, and narrow side walls delimiting the width of the slab, with the copper liners that delimit the mold cavity being detachably attached to the backing plates by metal studs made of a CuNiFe alloy and the metal studs being welded to the copper liners.

IPC 1-7
B22D 11/04

IPC 8 full level
B22D 11/04 (2006.01); **B22D 11/055** (2006.01); **B22D 11/059** (2006.01)

CPC (source: EP KR US)
B22D 11/04 (2013.01 - KR); **B22D 11/0406** (2013.01 - EP US); **B22D 11/0408** (2013.01 - EP US); **B22D 11/055** (2013.01 - EP US); **B22D 11/059** (2013.01 - EP US)

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

DOCDB simple family (publication)
WO 9743063 A1 19971120; AT E195678 T1 20000915; AU 3023797 A 19971205; AU 712782 B2 19991118; BR 9709585 A 20000502; CA 2253873 A1 19971120; CN 1170645 C 20041013; CN 1219143 A 19990609; CZ 335498 A3 19990714; DK 0912271 T3 20001106; EP 0912271 A1 19990506; EP 0912271 B1 20000823; ES 2150774 T3 20001201; GR 3034806 T3 20010228; JP 2000510049 A 20000808; KR 20000010963 A 20000225; PL 183716 B1 20020731; PL 329805 A1 19990412; PT 912271 E 20010228; RU 2182058 C2 20020510; US 6145579 A 20001114

DOCDB simple family (application)
DE 9700961 W 19970507; AT 97924881 T 19970507; AU 3023797 A 19970507; BR 9709585 A 19970507; CA 2253873 A 19970507; CN 97194777 A 19970507; CZ 335498 A 19970507; DK 97924881 T 19970507; EP 97924881 A 19970507; ES 97924881 T 19970507; GR 20000402493 T 20001110; JP 54039197 A 19970507; KR 19980709112 A 19981112; PL 32980597 A 19970507; PT 97924881 T 19970507; RU 98122364 A 19970507; US 18069598 A 19981113