

Title (en)
Mould wall

Title (de)
Kokillenwand

Title (fr)
Paroi de lingotière

Publication
EP 1900453 A3 20091118 (DE)

Application
EP 07015921 A 20070814

Priority
• DE 102006041737 A 20060904
• DE 102007001931 A 20070112

Abstract (en)
[origin: EP1900453A2] The hot side (2) of the plate (1) faces the melt, the cold side (3) faces away from it and is cooled by a water box, directly or through an adapter plate. Cooling channels (6) are let into the cold side of the plate. They run in the continuous casting direction, and are combined into groups at the start (7) and/or end (8) of their extent. A connection is formed by corresponding, transverse recesses (9, 10) made at the start and/or end of the channels. The recesses are located opposite coolant supply locations, and transition through rounded sections, into the coolant channels (6). The recesses (9, 10) reach more deeply into the cold side (3) of the continuous casting mold front plate than the cooling channels. Bores (4) are made into the cold side to accommodate fastening bolts or screws for the adapter plate. The cooling channels approach the bores, then turn around them and finally resume a parallel course. Terminal groupings occur between bores, at the start or end of the channels. Cooling channel depth equals that of the bores. The channels are narrower than their depth, or these dimensions are equal.

IPC 8 full level
B22D 11/055 (2006.01)

CPC (source: EP)
B22D 11/055 (2013.01)

Citation (search report)
• [X] US 5207266 A 19930504 - NAKASHIMA KUNIO [JP], et al
• [X] JP 2003136204 A 20030514 - MISHIMA KOSAN CO LTD
• [X] JP H02200353 A 19900808 - SUMITOMO METAL IND

Cited by
CN115351248A; CN109789478A; US11077490B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1900453 A2 20080319; EP 1900453 A3 20091118; DE 102007001931 A1 20080306

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