

Title (en)
CASTING MACHINE HAVING A TRAVELLING BLOCK MOLD ASSEMBLY

Publication
EP 0369184 A3 19911121 (EN)

Application
EP 89119431 A 19891019

Priority
JP 26146388 A 19881019

Abstract (en)
[origin: EP0369184A2] A casting machine comprises a pair of travelling block mold assemblies (22) each having a plurality of block mold members (23) endlessly connected to one another to define a cavity (27), and a mechanism for driving the block mold members (23) such that the block mold members of one travelling block mold assembly (22) move in synchronism with those of the other in a casting direction. Latticed grooves (25, 34, 35, 36) are formed on at least an area of the inner wall of each of the block mold members (23) which combine with one another to form the cavity (27). Delays in the solidification of molten steel in the cavity (27) are intentionally caused by these grooves, with the result that the concentration of contraction stress caused by the solidification delays at those seams (3) along which the adjacent block mold members (23) are connected to each other to form the cavity (27) can thus be reduced to prevent the creation of cracks on surfaces of cast products.

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B22D 11/06

IPC 8 full level
B22D 11/06 (2006.01)

CPC (source: EP KR)
B22C 11/12 (2013.01 - KR); **B22D 11/0608** (2013.01 - EP); **B22D 11/0657** (2013.01 - EP)

Citation (search report)
• [Y] EP 0237318 A2 19870916 - ISHIKAWAJIMA HARIMA HEAVY IND [JP], et al
• [A] GB 2034217 A 19800604 - ALUSUISSE
• [Y] PATENT ABSTRACTS OF JAPAN vol. 12, no. 381 (M-752)(3228), 12 October 1988; & JP - A - 63132751 (NIPPON KOKAN) 04.06.1988
• [A] PATENT ABSTRACTS OF JAPAN vol. 11, no. 241 (M-614)(2688), 7 August 1987; & JP - A - 6254556 (ISHIKAWAJAMA) 10.03.87

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