

Title (en)

OPEN-ENDED MOULD FOR A CONTINUOUS-CASTING PLANT

Publication

**EP 0108744 B1 19880817 (DE)**

Application

**EP 83890186 A 19831020**

Priority

- AT 132083 A 19830413
- AT 402382 A 19821104

Abstract (en)

[origin: ES285000U] A continuous mold for a continuous casting plant comprises inner walls made from copper and/or an alloy of copper and a wear resistant and abrasion resistant layer disposed on the copper and/or copper alloy on the inner exposed side of the mold. The layer covers at most two fifths of the total surface of a side wall and reaches from the output end of the mold up to about one third of the length of the mold at the center of the respect side of the mold. The wear resistant layer reaches in the area of the inner edges of the mold from the output end of the continuous mold to at least about the same level as the layer at the center of the respective side wall and up to the input end of the mold. The wear resistant layer can be provided as an open net like a grid or as a grate on the inner wall of the continuous mold with the surface areas in the open parts in between being formed by copper and/or a copper alloy. The geometrical construction of the wear resistant layer allows to employ wear resistant layers of substantial thickness without interfering with the heat transfer to the mold.

IPC 1-7

**B22D 11/04**

IPC 8 full level

**B22D 11/059** (2006.01)

CPC (source: EP US)

**B22D 11/059** (2013.01 - EP US)

Citation (examination)

- PATENTS ABSTRACTS OF JAPAN, Band 6, Nr. 150 (M-148)[1028], 10. August 1982; & JP - A - 57 68 248 (SATO OSEN K.K.) 26.04.1982
- PATENTS ABSTRACTS OF JAPAN, Band 7, Nr. 89 (M-207)[1234], 13. April 1983; & JP - A - 58 13 445 (HITACHI ZOSSEN K.K.) 25.01.1983
- PATENTS ABSTRACTS OF JAPAN, Band 7, Nr. 71 (M-202)[1216], 24. März 1983; & JP - A - 58 353 (MISHIMA KOUSAN K.K.) 05.01.1983
- PATENTS ABSTRACTS OF JAPAN, Band 6, Nr. 150 (M-148)[1028], 10. August 1982; & JP - A - 57 68 249 (HITACHI ZOSSEN K.K.) 26.04.1982

Cited by

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**EP 0108744 A2 19840516; EP 0108744 A3 19850911; EP 0108744 B1 19880817**; CA 1238762 A 19880705; DE 3377700 D1 19880922; ES 285000 U 19850901; ES 285000 Y 19860501; US 4589468 A 19860520

DOCDB simple family (application)

**EP 83890186 A 19831020**; CA 440382 A 19831103; DE 3377700 T 19831020; ES 285000 U 19831103; US 54772083 A 19831101