

Title (en)

Method for continuous casting preventing crack formation in the hot top.

Title (de)

Stranggiessverfahren unter Verhinderung von Rissbildung in einem Kokillen-Aufsatz.

Title (fr)

Procédé de coulée en charge permettant d'éviter la fissuration de la rehausse.

Publication

EP 0570303 A1 19931118 (FR)

Application

EP 93420158 A 19930414

Priority

FR 9204968 A 19920416

Abstract (en)

In order to prevent crack formation in a hot top (2, 3), made from refractory material, surmounting an ingot mould (1) in a casting of aluminium and of its alloys in the form of plates or billets, a compression prestress is applied to the said hot top before the casting, perpendicular to the casting axis independent of the flanging forces on the ingot mould and obtained by controlled peripheral hooping (binding, banding). <IMAGE>

IPC 1-7

B22D 11/04

IPC 8 full level

B22D 11/04 (2006.01); **B22D 11/049** (2006.01)

CPC (source: EP)

B22D 11/0401 (2013.01); **B22D 11/049** (2013.01)

Citation (search report)

- [Y] EP 0213049 A1 19870304 - PECHINEY ALUMINIUM [FR]
- [Y] US 5020703 A 19910604 - MCQUILLEN JR ALBERT L [US], et al
- [Y] US 4615471 A 19861007 - SCHURMEIER GUSTAVE B [US]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 7, no. 183 (M-235)(1328) 12 Août 1983 & JP-A-58 084 668 (TOUKIYOU YOUNGIYOU KK) 20 Mai 1983

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