

Title (en)

METHOD AND APPARATUS FOR CASTING ALUMINIUM AND ITS ALLOYS, PARTICULARLY THOSE CONTAINING LITHIUM, IN A PIT WITHOUT THE RISK OF EXPLOSION

Publication

EP 0271417 A3 19880720 (FR)

Application

EP 87420325 A 19871201

Priority

FR 8617770 A 19861203

Abstract (en)

[origin: US4781239A] The invention relates to a process and an apparatus for casting in a pit, without risk of explosion, of aluminum and its alloys, particularly with lithium. It comprises placing an elastic shield (3) around the cast product in order to stop the cooling water and any liquid metal outpouring, the water and metal being collected by flowing over the shield, into inclined channels (5 to 14), where the water forms a film and the metal is stopped in portionwise manner by strips (19) located at appropriate distances within the channels.

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B22D 11/124; B22D 21/04

IPC 8 full level

B22D 11/124 (2006.01); **B22D 21/04** (2006.01)

CPC (source: EP US)

B22D 11/1248 (2013.01 - EP US)

Citation (search report)

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DOCDB simple family (publication)

EP 0271417 A2 19880615; EP 0271417 A3 19880720; EP 0271417 B1 19891108; AT E47810 T1 19891115; DE 3760942 D1 19891214; ES 2011480 B3 19900116; FR 2607739 A1 19880610; FR 2607739 B1 19890414; GR 3000289 T3 19910315; JP S63144854 A 19880617; US 4781239 A 19881101

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