

Title (en)

Fire retardant continuous casting process.

Title (de)

Stranggussverfahren bei dem Flammbildung unterdrückt wird.

Title (fr)

Procédé de coulée continue évitant la naissance de flammes.

Publication

EP 0229211 A1 19870722 (EN)

Application

EP 86100510 A 19860116

Priority

- EP 86100510 A 19860116
- US 65865384 A 19841009

Abstract (en)

A method for continuously casting lithium-containing alloys by a direct chill process includes cooling the alloy (6) to form a continuous ingot (8) having a solid shell (12), further cooling the ingot (8) by direct chill with an organic coolant (18), and inhibiting fire by adding non-aqueous fire retardant liquid to the coolant. In one embodiment, the fire retardant liquid is miscible in the coolant (18). In a separate embodiment, the fire retardant liquid provides a substantially immiscible barrier layer (21) on the coolant.

IPC 1-7

B22D 11/124

IPC 8 full level

B22D 11/124 (2006.01); **C22F 1/00** (2006.01)

CPC (source: EP)

B22D 11/1245 (2013.01); **C22F 1/002** (2013.01)

Citation (search report)

- [A] EP 0142341 A1 19850522 - ALUMINUM CO OF AMERICA [US]
- [A] DE 3146683 C1 19821104 - ALUSUISSE
- [A] DE 891725 C 19531001 - WIELAND WERKE AG

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US8479802B1; US9936541B2; US10932333B2; US8365808B1; US9616493B2; US9764380B2; US9849507B2; US9895744B2; US9950360B2; US10646919B2; US10864576B2; US10946440B2

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