

Title (en)

Process and apparatus for electromagnetic forming of molten metals or alloys, coolant manifold for electromagnetic casting.

Title (de)

Verfahren und Vorrichtung zum elektromagnetischen Formen geschmolzener Metalle oder Legierungen, Kühlmittelverteiler für das elektromagnetische Giessen.

Title (fr)

Procédé et dispositif pour le moulage électromagnétique de métaux liquides ou d'alliages, installation réfrigérante pour la coulée électromagnétique.

Publication

EP 0022566 A1 19810121 (EN)

Application

EP 80103976 A 19800710

Priority

US 5677379 A 19790711

Abstract (en)

A method and apparatus is disclosed for electromagnetic casting of metal and alloy ingots of rectangular or other desired shape having corners or portions of small radius of curvature. A coolant application system is provided which lessens the severity of the rounding off of radius of the corners of the electromagnetically cast ingots by contouring the coolant application rate and/or elevation so that the rate and/or elevation is a minimum at the corners of the ingot.

IPC 1-7

B22D 11/01; **B22D 11/04**; **B22D 11/10**

IPC 8 full level

B22D 11/01 (2006.01); **B22D 11/04** (2006.01)

CPC (source: EP)

B22D 11/015 (2013.01)

Citation (search report)

- US 4014379 A 19770329 - GETSELEV ZINOVY NAUMOVICH
- US 3646988 A 19720307 - GETSELEV ZINOVY NAUMOVICH
- AU 460318 B2 19750424
- FR 2429633 A1 19800125 - GI SPLAVOV [SU]
- US 4158379 A 19790619 - YARWOOD JOHN C, et al
- US 3467166 A 19690916 - GETSELEV ZINOVY NAUMOVICH, et al

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CN107243609A

Designated contracting state (EPC)

BE CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0022566 A1 19810121; **EP 0022566 B1 19860108**; CA 1161107 A 19840124; DE 3071333 D1 19860220; JP S5614056 A 19810210

DOCDB simple family (application)

EP 80103976 A 19800710; CA 352198 A 19800516; DE 3071333 T 19800710; JP 7538980 A 19800604