

Title (en)

Process and device for direct chill casting

Title (de)

Verfahren und Vorrichtung zum Stranggiessen mit direkter Kühlung

Title (fr)

Procédé et dispositif pour la coulée continue à refroidissement direct

Publication

EP 1195210 A3 20020417 (EN)

Application

EP 01308552 A 20011005

Priority

US 68407200 A 20001006

Abstract (en)

[origin: EP1195210A2] Disclosed is a system for use in a continuous cast mould in which coolant is applied to a castpart (53) emerging from a mould, and which controls the flow of coolant back toward the mould inlet (22). More particularly, this invention relates to the creation of a forced or baffle fluid barrier (62), preferably gas, which prevents coolant from moving against the direction of movement of the emerging castpart and back toward the mould inlet

IPC 1-7

B22D 11/049

IPC 8 full level

B22D 11/049 (2006.01)

CPC (source: EP)

B22D 11/049 (2013.01)

Citation (search report)

- [X] US 5632323 A 19970527 - N SS JR HARALD [NO], et al
- [X] GB 2082950 A 19820317 - BRITISH ALUMINIUM CO LTD
- [X] GB 2014487 A 19790830 - BRITISH ALUMINIUM CO LTD
- [X] PATENT ABSTRACTS OF JAPAN vol. 012, no. 078 (M - 675) 11 March 1988 (1988-03-11)

Cited by

WO2005092540A1; US11691195B2; WO2022010724A1; EP1718427B1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1195210 A2 20020410; EP 1195210 A3 20020417; CA 2355133 A1 20020406

DOCDB simple family (application)

EP 01308552 A 20011005; CA 2355133 A 20010816