

Title (en)

PROCESS FOR THE CONTINUOUS CASTING OF METALS WITH STIRRING IN THE SECONDARY COOLING ZONE

Publication

EP 0010041 B1 19821201 (FR)

Application

EP 79400695 A 19791001

Priority

FR 7828726 A 19781005

Abstract (en)

[origin: EP0010041A1] 1. A process for continuous, vertical or curvilinear casting of molten metals, steel in particular, to obtain cross-sectional elongated products such as slabs, whereby, by means of inductors, the molten metal, whilst solidifying in the secondary cooling stage of the casting machine, is subjected to electromagnetic agitation at least near the bottom (4) of the solidification well (2), such electromagnetic agitation being performed by entraining the molten metal in a direction of which at least one component is along the casting axis (5), said process being characterized in that the electromagnetic entrainment of the metal is located along, at least, one of the larger sides of the casting and within an area the width of which accounts for only a portion of the said side.

IPC 1-7

B22D 11/12; **B22D 27/02**

IPC 8 full level

B22D 11/12 (2006.01); **B22D 27/02** (2006.01)

CPC (source: EP)

B22D 11/122 (2013.01)

Cited by

CN106925762A; CN116213664A; US4699205A; AT379976B; DE102014105870A1; US10486228B2; EP0092126B1

Designated contracting state (EPC)

AT BE DE GB IT

DOCDB simple family (publication)

EP 0010041 A1 19800416; **EP 0010041 B1 19821201**; AT E1884 T1 19821215; DE 2964155 D1 19830105; FR 2437900 A1 19800430; FR 2437900 B1 19820528

DOCDB simple family (application)

EP 79400695 A 19791001; AT 79400695 T 19791001; DE 2964155 T 19791001; FR 7828726 A 19781005