

Title (en)

METHOD FOR CONTINUOUSLY CASTING METAL IN A MOULD AND INFLUENCE OF AN ELECTRO-MAGNETIC FIELD

Publication

EP 0008376 B1 19830511 (DE)

Application

EP 79102611 A 19790724

Priority

- CH 102979 A 19790202
- CH 118479 A 19790207
- CH 813478 A 19780728

Abstract (en)

[origin: EP0008376A1] 1. A method for the continuous casting of metal, wherein molten metal is poured into a mould (1), the resultant strand (2), having a molten core (3), is withdrawn, guides and further cooled (6), and turbulent flow is set up in the molten core (3) by means of pulsation thrust forces acting on the molten metal and produced by at least one stirring device (10) inducing electromagnetic fields in the strand, wherein these pulsating thrust forces, acting differently on the molten metal, are set up by applying a predetermined asymmetry in the phases, characterized in that the windings (74-77) of one phase coil (70-73) are acted upon by current strengths which are different from those applied to the windings (74-77) of at least one other phase coil (70-73) of the fields.

IPC 1-7

B22D 11/04; **B22D 11/16**

IPC 8 full level

B22D 11/12 (2006.01)

CPC (source: EP)

B22D 11/122 (2013.01)

Cited by

US4375830A; EP0051221A1; EP0028761B1

Designated contracting state (EPC)

AT BE CH DE FR GB IT LU NL SE

DOCDB simple family (publication)

EP 0008376 A1 19800305; **EP 0008376 B1 19830511**; **EP 0008376 B2 19890405**; AR 217530 A1 19800331; AU 4922079 A 19800131; AU 528461 B2 19830428; BR 7904814 A 19800422; DD 145069 A5 19801119; DE 2930281 A1 19800214; DE 2930281 B2 19810604; DE 2965366 D1 19830616; DK 147553 B 19841001; DK 147553 C 19850304; DK 317279 A 19800129; ES 483648 A1 19800416; FI 63682 B 19830429; FI 63682 C 19830810; FI 792307 A 19800129; SE 440493 B 19850805; SE 7906413 L 19800129

DOCDB simple family (application)

EP 79102611 A 19790724; AR 27744179 A 19790725; AU 4922079 A 19790725; BR 7904814 A 19790726; DD 21460979 A 19790725; DE 2930281 A 19790726; DE 2965366 T 19790724; DK 317279 A 19790727; ES 483648 A 19790727; FI 792307 A 19790724; SE 7906413 A 19790727