

Title (en)

CONTINUOUS CASTING METHOD AND CONTINUOUS CASTING DEVICE

Title (de)

STRANGGIESSVERFAHREN UND STRANGGIESSVORRICHTUNG

Title (fr)

PROCÉDÉ DE COULÉE CONTINUE ET DISPOSITIF DE COULÉE CONTINUE

Publication

EP 3590628 A4 20200108 (EN)

Application

EP 18760588 A 20180302

Priority

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Abstract (en)

[origin: EP3590628A1] Capture of a foreign matter into a solidified shell is effectively suppressed. A continuous casting method is a method which is carried out with use of a continuous casting device, and includes: a discharging step of discharging molten steel through a discharge hole (41A); and a stirring step of stirring the molten steel so that a stirring region includes a whole line segment via which the discharge hole (41A) and a reached location (P) are connected to each other, the reached location (P) being a location on a surface (S) of the molten steel in a mold which location is reached by the molten steel in a case where the molten steel discharged in the discharging step proceeds straight.

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

- [XI] EP 2092998 A1 20090826 - NIPPON STEEL CORP [JP]
- [XI] JP 3817209 B2 20060906
- [XI] US 4042007 A 19770816 - ZAVARAS ALEXANDER A, et al
- [XI] JP 2007319923 A 20071213 - NIPPON STEEL CORP
- [A] EP 2038081 A1 20090325 - ABB AB [SE]
- [A] JP 2016022493 A 20160208 - NIPPON STEEL & SUMITOMO METAL CORP
- [A] JP 5791234 B2 20151007
- [A] WO 2004050277 A1 20040617 - ABB AB [SE], et al
- [A] EP 2151291 A1 20100210 - SUMITOMO METAL IND [JP]
- [A] JP 2010029936 A 20100212 - JFE STEEL CORP
- See references of WO 2018159821A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

EP 18760588 A 20180302; CN 201880015434 A 20180302; ES 18760588 T 20180302; JP 2018008066 W 20180302; JP 2018513683 A 20180302; KR 20197028892 A 20180302; MY PI2019005021 A 20180302; TW 107107244 A 20180305; US 201816490251 A 20180302; ZA 201906308 A 20190925