

Title (en)

Method and device for continuously casting molten metals, particularly molten metal steels, with strand guide comprising guide roller segments

Title (de)

Verfahren und Vorrichtung zum Stranggiessen von flüssigen Metallen, insbesondere von flüssigen Stahlwerkstoffen, mit einer Strangführung aus Stützrollensegmenten

Title (fr)

Procédé et dispositif pour la coulée continue de métaux liquides, en particulier d'aciers liquides, avec d'un guidage de ligne aux segments de rouleaux de guidage

Publication

**EP 1731243 A3 20080326 (DE)**

Application

**EP 06011881 A 20060608**

Priority

DE 102005026259 A 20050608

Abstract (en)

[origin: EP1731243A2] In a continuous steel casting process molten steel (2) is discharged into a billet guide (8) consisting of a series of segments (9-18) with side rollers held by oscillating side plates. The oscillation is driven by an array of pistons linked to a control system. The advancing billets are exposed to an array of regulated cooling jets (19). The hot molten metal advances along a track in which the metal is simultaneously oscillated and cooled by water jets at a controlled temperature and rate of cooling. The master oscillation rolling regulator station (29) is located at the end of the track. Also claimed is a commensurate steel billet casting assembly.

IPC 8 full level

**B22D 11/128** (2006.01); **B22D 11/20** (2006.01)

CPC (source: EP)

**B22D 11/1206** (2013.01); **B22D 11/128** (2013.01); **B22D 11/16** (2013.01)

Citation (search report)

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- [Y] DD 293071 A5 19910822 - BANDSTAHLKOMBINAT MATERN VEB [DD]
- [DY] EP 1193007 A1 20020403 - SMS DEMAG AG [DE]
- [DY] SCHUBERT I: "NEUER SENSOR VERBESSERT PRODUKTIVITAET UND QUALITAET", STAHL UND EISEN, VERLAG STAHL EISEN, DUSSELDORF, DE, vol. 125, no. 2, 15 February 2005 (2005-02-15), pages 58 - 61, XP001230658, ISSN: 0340-4803

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Designated contracting state (EPC)

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Designated extension state (EPC)

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