

Title (en)

METHOD AND DEVICE FOR COMMENCING A CASTING PROCESS

Title (de)

VERFAHREN UND VORRICHTUNG ZUM STARTEN EINES GIESSVORGANGES

Title (fr)

PROCEDE ET DISPOSITIF POUR DEBUTER UN PROCESSUS DE COULEE

Publication

EP 1536900 A1 20050608 (DE)

Application

EP 03798105 A 20030818

Priority

- AT 13672002 A 20020912
- EP 0309110 W 20030818

Abstract (en)

[origin: WO2004028725A1] The invention relates to a method for improving the conditions at the commencement of a casting process in a twin-roll casting device, which does not use a dummy bar, said method comprising the following steps: an operating casting thickness is set and the casting rolls are rotated at a casting-roll peripheral speed, which corresponds to a reduced commencing casting speed in relation to the casting speed for stationary operation; molten metal is fed into one of the rotating casting rolls and into the molten metal chamber that is configured from lateral plates lying against the rolls and a cast metal bar with an essentially constant, predetermined cross-sectional size is formed, whilst the casting speed is simultaneously increased to a strip forming casting speed; the casting speed is subsequently increased to a strip separating speed, which is significantly higher than the speed sufficient to cause solidification and the metal strip that has been cast up to this point is separated; the stationary operation casting speed is set; the following cast metal strip is deviated onto a strip transport unit and the stationary casting operation commences. The invention also relates to a twin-roll casting device for carrying out said method.

IPC 1-7

B22D 11/16; **B22D 11/06**

IPC 8 full level

B22D 11/06 (2006.01); **B22D 11/16** (2006.01)

CPC (source: EP KR US)

B22D 11/0622 (2013.01 - EP US); **B22D 11/16** (2013.01 - KR); **B22D 11/161** (2013.01 - EP US)

Citation (search report)

See references of WO 2004028725A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2004028725 A1 20040408; AT 411822 B 20040625; AT A13672002 A 20031115; AU 2003258624 A1 20040419; AU 2003258624 B2 20081120; CN 100577326 C 20100106; CN 1681613 A 20051012; DE 50301955 D1 20060119; EP 1536900 A1 20050608; EP 1536900 B1 20051214; EP 1536900 B2 20120815; KR 101143384 B1 20120523; KR 20050057316 A 20050616; MX PA05002697 A 20050527; US 2005224210 A1 20051013; US 7156153 B2 20070102

DOCDB simple family (application)

EP 0309110 W 20030818; AT 13672002 A 20020912; AU 2003258624 A 20030818; CN 03821789 A 20030818; DE 50301955 T 20030818; EP 03798105 A 20030818; KR 20057004324 A 20030818; MX PA05002697 A 20030818; US 52753305 A 20050425