

Title (en)

Process and installation for making continuously cast pieces

Title (de)

Verfahren zur Herstellung von stranggegossenen Gussstücken und Anlage zur Durchführung des Verfahrens

Title (fr)

Procédé et installation de fabrication des pièces coulées en couninu

Publication

**EP 0881017 A3 19990210 (DE)**

Application

**EP 98890138 A 19980512**

Priority

AT 82897 A 19970514

Abstract (en)

[origin: EP0881017A2] The method concerns production of continuously cast (preferably steel) billets (7). A process parameter determined during casting is compared with a limit value, and the result is used to decide on the subsequent treatment of the billet. Either the continuous billet (7) or the separated billet (7') still in its hot state is machined to remove its surface or near-surface faults, with the machining process activated and deactivated on the basis of relevant process parameters. The installation includes a machine (10) for machining at least one surface region of the billet (7) or (7'). This machine is controlled on the basis of process parameters such as casting speed, melt temperature, melt level fluctuations in the mould (6), the chemical composition of the melt etc.

IPC 1-7

**B22D 11/12**; **B22D 11/16**

IPC 8 full level

**B22D 11/12** (2006.01); **B22D 11/16** (2006.01)

CPC (source: EP)

**B22D 11/12** (2013.01); **B22D 11/16** (2013.01)

Citation (search report)

- [DY] DE 2926984 A1 19800124 - CENTRE RECH METALLURGIQUE
- [A] EP 0685281 A2 19951206 - MANNESMANN AG [DE]
- [DA] EP 0053274 A1 19820609 - SIEMAG TRANSPLAN GMBH [DE]
- [DA] EP 0057494 A1 19820811 - NIPPON STEEL CORP [JP]
- [DA] EP 0196746 A1 19861008 - NIPPON STEEL CORP [JP]
- [Y] KOEHLER K -U ET AL: "PROZESSUEBERWACHUNG MIT EINER INSTRUMENTIERTEN BRAMMENSTRANGGIESSKOKILLE", STAHL UND EISEN, vol. 116, no. 2, 16 February 1996 (1996-02-16), pages 103 - 108, XP000553798
- [X] PATENT ABSTRACTS OF JAPAN vol. 009, no. 268 (M - 424) 25 October 1985 (1985-10-25)
- [A] PATENT ABSTRACTS OF JAPAN vol. 097, no. 001 31 January 1997 (1997-01-31)

Cited by

WO2007137759A1; AU2007267471B2; KR101068458B1; JP2009536581A; AU2007267402B2; AU2007267415B2; WO2007137739A2; WO2007137739A3; WO2007137748A2; WO2007137748A3

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0881017 A2 19981202**; **EP 0881017 A3 19990210**; AT 405033 B 19990426; AT A82897 A 19980915

DOCDB simple family (application)

**EP 98890138 A 19980512**; AT 82897 A 19970514