

Title (en)

Process and installation for continuous casting thin metallic products between rolls

Title (de)

Verfahren und Vorrichtung zum Stranggiessen von dünnen metallischen Produkten zwischen Zylindern

Title (fr)

Procédé et dispositif de coulée continue de produits métalliques minces entre cylindres

Publication

EP 0692330 B1 19970806 (FR)

Application

EP 95401561 A 19950629

Priority

FR 9408361 A 19940630

Abstract (en)

[origin: EP0692330A1] Molten metal is poured into a casting space bounded by the cylindrical surfaces of two counter-rotating rolls (1,1') and two lateral retaining walls (3), and a thin solidified prod. is extracted from this space. A measured thrust is exerted on the retaining walls (3) parallel to the roll axes, in order to press them against the roll faces (11). The drag on each retaining wall in the direction of the casting motion is measured. The measured values of thrust and drag are used to derive a quantity which is indicative of the friction conditions in the contact zone between the retaining walls and cylinder faces. This quantity is compared with a predetermined value, and the comparison result is used for control of casting parameters. <IMAGE>

IPC 1-7

B22D 11/06

IPC 8 full level

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

CPC (source: EP KR US)

B22D 11/00 (2013.01 - KR); **B22D 11/0622** (2013.01 - EP US); **B22D 11/066** (2013.01 - EP US)

Cited by

EP1088609A1; KR100741729B1; EA003382B1; EA003383B1; US6354365B2; US6651729B1; US6655447B1; WO0123121A1; WO0123122A1; WO9802264A1

Designated contracting state (EPC)

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

DOCDB simple family (publication)

EP 0692330 A1 19960117; EP 0692330 B1 19970806; AT E156397 T1 19970815; AU 2333795 A 19960118; AU 685624 B2 19980122; BR 9503043 A 19960611; CA 2152230 A1 19951231; CA 2152230 C 20041221; CN 1064569 C 20010418; CN 1128689 A 19960814; CZ 171995 A3 19960117; CZ 285526 B6 19990811; DE 69500520 D1 19970911; DE 69500520 T2 19980312; DK 0692330 T3 19980323; ES 2105850 T3 19971016; FI 110073 B 20021129; FI 953188 A0 19950628; FI 953188 A 19951231; FR 2721844 A1 19960105; FR 2721844 B1 19960830; GR 3025229 T3 19980227; JP 3923551 B2 20070606; JP H0852539 A 19960227; KR 100358887 B1 20030217; KR 960000353 A 19960125; PL 179136 B1 20000731; PL 309452 A1 19960108; RO 116171 B1 20001130; RU 2119843 C1 19981010; RU 95110773 A 19970610; SK 281881 B6 20010806; SK 84695 A3 19960306; TR 199500770 A1 19961021; UA 27956 C2 20001016; US 5638892 A 19970617; ZA 955294 B 19961001

DOCDB simple family (application)

EP 95401561 A 19950629; AT 95401561 T 19950629; AU 2333795 A 19950629; BR 9503043 A 19950630; CA 2152230 A 19950620; CN 95109157 A 19950629; CZ 171995 A 19950629; DE 69500520 T 19950629; DK 95401561 T 19950629; ES 95401561 T 19950629; FI 953188 A 19950628; FR 9408361 A 19940630; GR 970402865 T 19971030; JP 18833995 A 19950630; KR 19950018709 A 19950630; PL 30945295 A 19950630; RO 9501224 A 19950628; RU 95110773 A 19950630; SK 84695 A 19950628; TR 9500770 A 19950628; UA 95063053 A 19950628; US 49716695 A 19950630; ZA 955294 A 19950626