

Title (en)  
PROCESS AND DEVICE FOR INTENTIONALLY INFLUENCING THE GEOMETRY OF ROUGHED-DOWN STRIPS IN A ROUGHING-DOWN STAND

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR GEZIELTEN BEEINFLUSSUNG DER VORBANDGEOMETRIE IN EINEM VORGERÜST

Title (fr)  
PROCEDE ET DISPOSITIF POUR INFLUENCER DE FAÇON CIBLEE LA GEOMETRIE D'UNE EBAUCHE DE FEUILLARD DANS UN TRAIN EBAUCHEUR

Publication  
**EP 1896200 A1 20080312 (DE)**

Application  
**EP 06742867 A 20060510**

Priority  
• EP 2006004392 W 20060510  
• DE 102005021769 A 20050511

Abstract (en)  
[origin: WO2006119984A1] When rolling hot-rolled strips, different draughts per pass might occur during the rolling operation over the length of the roll gap, due to changes in the hardness of the rolling stock, to the roll gap itself or to the geometry of the incoming rolling stock. These different draughts per pass lead to lateral deviations and shifts of the rolling stock in the roll stand and to a lateral bending of the outgoing hot-rolled strip. In order to avoid these defects by intentionally influencing the geometry of the rough-rolled strip, it is proposed to interconnect in at least one roughing-down stand a dynamic positioning in the roughing-down stock (1) with fast and powerful lateral guides (8, 9) arranged before and after the roughing-down stand (1), by corresponding regulation operations, in such a way that a grainy or tapering bloom (4) is shaped into a straight and taper-free roughed-down strip (5) in one or more passes, in continuous or reciprocating operation.

IPC 8 full level  
**B21B 37/28** (2006.01); **B21B 37/68** (2006.01); **B21B 39/14** (2006.01)

CPC (source: EP KR US)  
**B21B 37/28** (2013.01 - EP KR US); **B21B 37/68** (2013.01 - EP KR US); **B21B 39/14** (2013.01 - EP KR US); **B21B 37/62** (2013.01 - EP US); **B21B 39/16** (2013.01 - EP US); **B21B 2263/02** (2013.01 - EP US); **B21B 2273/04** (2013.01 - EP US)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2006119984 A1 20061116**; AT E516897 T1 20110815; AU 2006245966 A1 20061116; AU 2006245966 A2 20080703; AU 2006245966 B2 20100930; BR PI0607449 A2 20090901; BR PI0607449 A8 20160503; CA 2604503 A1 20061116; CA 2604503 C 20121106; CN 101175582 A 20080507; CN 101175582 B 20110413; DE 102005021769 A1 20061123; EP 1896200 A1 20080312; EP 1896200 B1 20110720; ES 2367139 T3 20111028; JP 2008540133 A 20081120; JP 5253153 B2 20130731; KR 101138726 B1 20120424; KR 20080005350 A 20080111; MX 2007014109 A 20080205; RU 2007126472 A 20090120; RU 2368443 C2 20090927; TW 200702078 A 20070116; TW I358332 B 20120221; UA 91533 C2 20100810; US 2009044587 A1 20090219; US 8429943 B2 20130430; ZA 200705219 B 20080528

DOCDB simple family (application)  
**EP 2006004392 W 20060510**; AT 06742867 T 20060510; AU 2006245966 A 20060510; BR PI0607449 A 20060510; CA 2604503 A 20060510; CN 200680016356 A 20060510; DE 102005021769 A 20050511; EP 06742867 A 20060510; ES 06742867 T 20060510; JP 2008510493 A 20060510; KR 20077013821 A 20060510; MX 2007014109 A 20060510; RU 2007126472 A 20060510; TW 95115716 A 20060503; UA A200709276 A 20060510; US 92021206 A 20060510; ZA 200705219 A 20070702