Title (en)
DEVICE FOR PLACING A BRUSH AGAINST A ROLLER

Title (de)
VORRICHTUNG ZUR ANSTELLUNG EINER BÜRSTE AN EINE ROLLE

Title (fr)
DISPOSITIF POUR APPLIQUER UNE BROSSE CONTRE UN ROULEAU

Publication
EP 1909982 A1 20080416 (DE)

Application
EP 07786496 A 20070801

Priority
• EP 2007006811 W 20070801
• DE 102006036710 A 20060805

Abstract (en)
[origin: US2010125993A1] The invention relates to a device for placing a brush (1) against rollers (2), for example in roll stands, in particular against the working and/or support roller of a roll stand for the hot rolling of aluminium, wherein the brush (1) is mounted on a pivot lever and can be placed in contact against the roller (2) by means of a placement device (3) which exerts a placement force. It is provided here according to the invention that the placement device (3) for the brush (1) comprises at least one adjusting element (5) which is arranged so as to be rotatable with respect to the pivot lever (12) and which is operatively connected to the pivot lever by means of a force transmission element (4). A regulating circuit (6) is designed to regulate the placement force to be constant, proceeding from a nominal force F0, in such a way that, by means of a monitoring device (7) for the rotational angle of the adjusting element (5) with respect to the pivot lever, the placement force can be regulated to be constant by means of at least one actuating element (8).

IPC 8 full level
B21B 28/04 (2006.01)

CPC (source: EP US)
B21B 28/04 (2013.01 - EP US); B21B 2003/001 (2013.01 - EP US); Y10T 29/53896 (2015.01 - EP US)

Citation (search report)
See references of WO 2008017412A1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
US 2010125993 A1 20100527; **US 7913350 B2 20110329**; AT E413238 T1 20081115; CN 101326020 A 20081217; CN 101326020 B 20100407; DE 102006036710 A1 20080207; DE 502007000223 D1 20081218; EP 1909982 A1 20080416; EP 1909982 B1 20081105; JP 2009502519 A 20090129; JP 4738484 B2 20110803; RU 2008109490 A 20090920; RU 2372160 C1 20091110; UA 89554 C2 20100210; WO 2008017412 A1 20080214

DOCDB simple family (application)
US 98918907 A 20070801; AT 07786496 T 20070801; CN 200780000637 A 20070801; DE 102006036710 A 20060805; DE 502007000223 T 20070801; EP 07786496 A 20070801; EP 2007006811 W 20070801; JP 2008528539 A 20070801; RU 2008109490 A 20070801; UA A200803194 A 20070801