

Title (en)
DEVICE FOR THE ULTRASONIC TESTING OF HOT ROLLED MATERIAL

Title (de)
VORRICHTUNG ZUR ULTRASCHALLPRÜFUNG VON HEISSEM WALZMATERIAL

Title (fr)
DISPOSITIF DE CONTROLE A ULTRASONS DE MATERIAU A LAMINER CHAUD

Publication
EP 1929287 A1 20080611 (DE)

Application
EP 06775752 A 20060727

Priority
• DE 2006001298 W 20060727
• DE 102005044760 A 20050920

Abstract (en)
[origin: WO2007033633A1] The invention relates to a device for the ultrasonic testing of hot rolled material during the welding operation in one of a number of rolling stands of a rolling train that are arranged one behind the other, comprising at least two rollers, leaving a rolling gap between them, the rollers being assigned ultrasonic testing heads which are arranged in such a way that parts of the roller body itself serve as a path along which the ultrasound waves pass to the rolled material to be tested that is in the rolling gap, which device is characterized in that the rollers provided with the ultrasonic testing heads are adjustable, have a straight transverse profile and a diameter which is a multiple of the rolling gap width, so that there is a great rolling angle (α), and these rollers are arranged in one of the first rolling stands of the rolling train.

IPC 8 full level
G01N 29/22 (2006.01)

CPC (source: EP KR US)
G01N 29/00 (2013.01 - KR); **G01N 29/043** (2013.01 - EP US); **G01N 29/11** (2013.01 - EP US); **G01N 29/22** (2013.01 - KR);
G01N 29/228 (2013.01 - EP US); **G01N 29/262** (2013.01 - EP US); **G01N 29/27** (2013.01 - EP US); **B21B 38/00** (2013.01 - EP US);
G01N 2291/106 (2013.01 - EP US); **G01N 2291/2632** (2013.01 - EP US)

Citation (search report)
See references of WO 2007033633A1

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 2007033633 A1 20070329; AR 054940 A1 20070725; BR PI0616373 A2 20110621; CA 2622590 A1 20070329; CA 2622590 C 20111220;
CN 101268362 A 20080917; CN 101268362 B 20111214; DE 102005044760 B3 20070412; EP 1929287 A1 20080611;
JP 2009509147 A 20090305; JP 4819900 B2 20111124; KR 101135769 B1 20120416; KR 20080069573 A 20080728;
RU 2008115439 A 20091027; RU 2383015 C2 20100227; TW 200722749 A 20070616; TW I315789 B 20091011; UA 93520 C2 20110225;
US 2009260439 A1 20091022; US 7987719 B2 20110802; ZA 200801866 B 20090624

DOCDB simple family (application)
DE 2006001298 W 20060727; AR P060103663 A 20060823; BR PI0616373 A 20060727; CA 2622590 A 20060727;
CN 200680034616 A 20060727; DE 102005044760 A 20050920; EP 06775752 A 20060727; JP 2008531520 A 20060727;
KR 20087006414 A 20060727; RU 2008115439 A 20060727; TW 95127695 A 20060728; UA A200805057 A 20060727;
US 99224506 A 20060727; ZA 200801866 A 20080228