

Title (en)
METHOD AND DEVICE FOR SECONDARY DESCALING STEEL STRIP WITH LOW PRESSURE WATER JETS

Title (de)
VERFAHREN UND VORRICHTUNG ZUR SEKUNDÄREN ENTZUNDERUNG DER METALLISCHEN BANDFÖRMIGEN BEHANDLUNGSGUT MIT WASSERSPRÜHEN UNTER NIEDRIGEN DRUCK

Title (fr)
PROCÉDE ET EQUIPMENT DE DÉCALAMINAGE SECONDAIRE DES BANDES MÉTALLIQUES PAR PROJECTION D'EAU À BASSE PRESSION HYDRAULIQUE

Publication
EP 2185747 A2 20100519 (FR)

Application
EP 08843858 A 20080820

Priority
• FR 2008001200 W 20080820
• EP 07291027 A 20070821
• EP 08843858 A 20080820

Abstract (en)
[origin: EP2028290A1] The process for secondary descaling steel strips, comprises uncoiling the steel strip while hot rolling the strip, projecting water on the surface of the strips under pressure using spray nozzles, and regulating the nozzles to deliver a water flow on the strip surface similar to the water flow delivered under high pressure. The nozzles are fed with a low hydraulic pressure of 4-10 bars to ensure a thermal effect of water. The secondary descaling is carried out in upstream of a finisher- and reducer enclosure, which are in upstream of a hot strip rolling train. An independent claim is included for an apparatus for secondary descaling the steel strips.

IPC 8 full level
C23G 3/02 (2006.01); **B08B 3/02** (2006.01); **B21B 45/06** (2006.01); **B21B 45/08** (2006.01)

CPC (source: EP US)
B08B 3/022 (2013.01 - EP US); **C23G 3/023** (2013.01 - EP US); **B21B 45/08** (2013.01 - EP US)

Citation (search report)
See references of WO 2009056712A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
EP 2028290 A1 20090225; AU 2008320723 A1 20090507; AU 2008320723 B2 20120329; BR PI0815716 A2 20150210; BR PI0815716 B1 20210330; CN 101821429 A 20100901; CN 101821429 B 20120530; EP 2185747 A2 20100519; EP 2185747 B1 20161221; ES 2618498 T3 20170621; JP 2010536581 A 20101202; JP 5150888 B2 20130227; KR 101240100 B1 20130307; KR 20100058573 A 20100603; MX 2010001998 A 20100527; PL 2185747 T3 20170630; RU 2010110616 A 20110927; RU 2441725 C2 20120210; UA 97853 C2 20120326; US 10378115 B2 20190813; US 2011146706 A1 20110623; WO 2009056712 A2 20090507; WO 2009056712 A3 20090716; WO 2009056712 A8 20100318

DOCDB simple family (application)
EP 07291027 A 20070821; AU 2008320723 A 20080820; BR PI0815716 A 20080820; CN 200880109627 A 20080820; EP 08843858 A 20080820; ES 08843858 T 20080820; FR 2008001200 W 20080820; JP 2010525383 A 20080820; KR 20107006056 A 20080820; MX 2010001998 A 20080820; PL 08843858 T 20080820; RU 2010110616 A 20080820; UA A201003056 A 20080820; US 67416508 A 20080820