

Title (en)
METHOD FOR STRAIGHTENING

Title (de)
BEGRADIGUNGSVERFAHREN

Title (fr)
PROCÉDÉ DE DRESSAGE

Publication
EP 2676746 A4 20160907 (EN)

Application
EP 12747318 A 20120210

Priority
• JP 2011028905 A 20110214
• JP 2012000896 W 20120210

Abstract (en)
[origin: EP2676746A1] There is provided a method for straightening a steel product, comprising using hard alloy straightening rolls each made of a tungsten carbide-cobalt (WC-Co) based sintered material (hard metal), wherein the hardness of each roll is HRA85 to 87. According to this straightening method, when bends of steel product are straightened, roll wear is suppressed, defective roll mark(s) caused by the roll wear is prevented from being formed on the surface of the product being straightened, and time for changeover and/or setup of rolls is shortened to enhance the operation rate of the straightening machine, whereby the efficiency of a finishing process and, in turn, the productivity can be improved. Therefore, this method is especially effective in the case where a product to be straightened is a high-strength product such as a steel pipe for a motor vehicle air bag.

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CPC (source: EP KR US)
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Citation (search report)
• [Y] JP 2005103557 A 20050421 - KOBE STEEL LTD
• [Y] JP 2004136296 A 20040513 - HITACHI METALS LTD
• [Y] JP 2010132999 A 20100617 - SUMITOMO METAL IND
• [Y] JP 2004195515 A 20040715 - JFE STEEL KK
• See references of WO 2012111291A1

Designated contracting state (EPC)
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JP 5462202 B2 20140402; KR 20130118960 A 20131030; MX 2013008855 A 20130814; MX 363214 B 20190315; TW 201302337 A 20130116;
TW I538751 B 20160621; US 2013327110 A1 20131212; WO 2012111291 A1 20120823

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