

Title (en)  
ROLLING MILL LAYING HEAD

Title (de)  
LEGEKOPF FÜR WALZWERK

Title (fr)  
TÊTE DE POSITIONNEMENT POUR LAMINOIR

Publication  
**EP 2895281 B1 20210224 (EN)**

Application  
**EP 13766740 A 20130904**

Priority  
• US 201213614145 A 20120913  
• US 201261707510 P 20120928  
• US 2013057993 W 20130904

Abstract (en)  
[origin: WO2014042926A1] A laying head for forming an axially moving hot rolled product into a helical series of rings comprises a quill rotatable about an axis, with a tubular body journaled for rotation between axially spaced bearings, and a nose (36) projecting axially and forwardly from its tubular body. A product guide is carried by the quill. The product guide is configured to form the product into a helical series of rings. A guide trough (50) provides a helical extension of the product guide. Major portions of the product guide and the guide trough are carried on a continuous helical support (42) on the nose of the quill. The guide trough is channel shaped, with a continuous bottom defining the rim of the helical support, and with segmented detachable side walls.

IPC 8 full level  
**B21C 47/14** (2006.01)

CPC (source: EP RU)  
**B21C 47/143** (2013.01 - EP); **B21C 47/14** (2013.01 - RU)

Citation (opposition)  
Opponent : DANIELI & C. OFFICINE MECCANICHE S.P.A.  
• US 4242892 A 19810106 - WYKES ROBERT D, et al  
• US 2003122017 A1 20030703 - PARISEAU DAVID L [US], et al  
• EP 1579929 A1 20050928 - SMS MEER GMBH [DE]  
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• US 5312065 A 19940517 - SHORE TERENCE M [US], et al  
• US 2001020662 A1 20010913 - REBEL GEORG [DE], et al  
• EP 1375020 A2 20040102 - MORGAN CONSTRUCTION CO [US]  
• WO 2010056430 A1 20100520 - MORGAN CONSTRUCTION CO [US], et al

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EP3790677A4

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

DOCDB simple family (publication)  
**WO 2014042926 A1 20140320**; BR 112015005525 A2 20170704; BR 112015005525 B1 20201117; CN 104768669 A 20150708; CN 104768669 B 20161102; EP 2895281 A1 20150722; EP 2895281 B1 20210224; EP 3791972 A1 20210317; ES 2868246 T3 20211021; IN 2052DEN2015 A 20150814; JP 2015531686 A 20151105; JP 6242900 B2 20171206; KR 102090987 B1 20200319; KR 20150053969 A 20150519; MX 2015003323 A 20151022; MX 2019011368 A 20191118; PL 2895281 T3 20210719; RU 2015113438 A 20161110; RU 2632048 C2 20171002; TW 201420227 A 20140601; TW I595936 B 20170821

DOCDB simple family (application)  
**US 2013057993 W 20130904**; BR 112015005525 A 20130904; CN 201380058493 A 20130904; EP 13766740 A 20130904; EP 20195272 A 20130904; ES 13766740 T 20130904; IN 2052DEN2015 A 20150313; JP 2015531954 A 20130904; KR 20157008992 A 20130904; MX 2015003323 A 20130904; MX 2019011368 A 20150313; PL 13766740 T 20130904; RU 2015113438 A 20130904; TW 102132717 A 20130911