

Title (en)  
SPRAYING METHOD AND DEVICE FOR A ROLLING PLANT

Title (de)  
SPRITZVERFAHREN UND VORRICHTUNG FÜR EINE WALZANLAGE

Title (fr)  
METHODE ET DISPOSITIF D'ARROSAGE D'UNE INSTALLATION DE LAMINAGE

Publication  
**EP 2391459 B1 20140806 (FR)**

Application  
**EP 09784174 A 20090202**

Priority  
FR 2009000113 W 20090202

Abstract (en)  
[origin: WO2010086514A1] The invention relates to a spraying method and device for a plant for rolling a strip (1), said plant comprising at least one rolling stand, said device including: a pair of working rolls (2a, 2b) between which the strip (1) runs; a plane (P) perpendicular to the running direction of the strip; at least one pair of supporting rolls (3a, 3b) for said working rolls (2a, 2b); two pairs of bearing rolls (5a, 5'a, 5b, 5'b), each of said pairs having the rolls (5a, 5'a, 5b, 5'b) thereof substantially symmetrically arranged on either side of the working rolls (2a, 2b) in a plane substantially parallel to the strip so as to transfer, to said working rolls (2a, 2b), a force for maintaining said working rolls in a predetermined position relative to the supporting roll; a support for said bearing rolls (5a, 5'a, 5b, 5'b) in the form of two rows including a plurality of bearing rollers (6) mounted side by side; at least one nozzle system for spraying at least a portion of the strip and at least a portion of said rolls, characterised in that at least one of the nozzle systems is capable of directly spraying at least a portion of the working rolls on either side of said plane which is perpendicular to the running direction of the strip.

IPC 8 full level  
**B21B 27/10** (2006.01)

CPC (source: EP US)  
**B21B 27/10** (2013.01 - EP US); **B21B 13/145** (2013.01 - EP US); **B21B 2013/028** (2013.01 - EP US)

Cited by  
WO2019170994A1; FR3078494A1; US11654464B2

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 MK MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**WO 2010086514 A1 20100805**; BR PI0924316 B1 20200908; CN 102300650 A 20111228; CN 102300650 B 20140305; EP 2391459 A1 20111207; EP 2391459 B1 20140806; US 2011278367 A1 20111117; US 8966951 B2 20150303

DOCDB simple family (application)  
**FR 2009000113 W 20090202**; BR PI0924316 A 20090202; CN 200980155979 A 20090202; EP 09784174 A 20090202; US 200913146696 A 20090202