

(12) PATENT APPLICATION PUBLICATION

(21) Application No.5346/DELNP/2011 A

(19) INDIA

(22) Date of filing of Application :12/07/2011

(43) Publication Date : 31/08/2012

(54) Title of the invention : SPRAYING METHOD AND DEVICE FOR A ROLLING PLANT

(51) International classification	:B21B 27/10
(31) Priority Document No	:NA
(32) Priority Date	:NA
(33) Name of priority country	:NA
(86) International Application No	:PCT/FR2009/000113
Filing Date	:02/02/2009
(87) International Publication No	:WO 2010/086514
(61) Patent of Addition to Application Number	:NA
Filing Date	:NA
(62) Divisional to Application Number	:NA
Filing Date	:NA

(71)**Name of Applicant :**
1)SIEMENS VAI METALS TECHNOLOGIES SAS
Address of Applicant :51, RUE SIBERT, F-42403 SAINT-CHAMOND, FRANCE France
(72)**Name of Inventor :**
1)VINCENT CRONIER
2)BERNARD ROSSIGNEUX

(57) Abstract :

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, 5a, 5b, 5b), each of said pairs having the rolls (5a, 5a, 5b, 5b) 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, 5a, 5b, 5b) 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, characterized 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.

No. of Pages : 48 No. of Claims : 24