Title (en)

DEVICE FOR DE-SCALING SEMI-FINISHED PRODUCTS

Title (de)

EINRICHTUNG ZUM ENTZUNDERN VON HALBZEUGEN

Title (fr)

DISPOSITIF DE DECALAMINAGE DE PRODUITS SEMI-FINIS

Publication

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Application

EP 96933348 A 19960920

Priority

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Abstract (en)

[origin: US6029681A] PCT No. PCT/EP96/04126 Sec. 371 Date May 20, 1998 Sec. 102(e) Date May 20, 1998 PCT Filed Sep. 20, 1996 PCT Pub. No. WO97/11797 PCT Pub. Date Apr. 3, 1997An apparatus for descaling semi-finished products, such as thin slabs or steel strips in rolling mills by highly pressurized water that is sprayed through a nozzle device onto the surface of the semi-finished product is characterized in that the nozzle device is movable with a vertical component above the surface of the semi-finished product by means of a drive. The drive can be controlled by a control device that receives a target distance as input value and an actual distance between the nozzle device and the surface of the semi-finished product detected by means of a distance sensor. The control device supplies an output signal via a signal line to the drive for resetting any deviation to zero. Hence, the nozzle device is always kept at a desired target distance even if humps such as bulgings occur on the surface of the semi-finished product.

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