

Title (en)
DEVICE AND METHOD FOR CLEANING A BODY HAVING A SURFACE LAYER TO BE REMOVED

Title (de)
VORRICHTUNG UND VERFAHREN ZUM REINIGEN EINES KÖRPERS MIT EINER ABZUTRAGENDEN OBERFLÄCHENSCHICHT

Title (fr)
DISPOSITIF ET PROCEDE DE NETTOYAGE D'UN CORPS COMPRENANT UNE COUCHE DE SURFACE A ENLEVER

Publication
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Application
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Abstract (en)
[origin: WO2017108729A1] The invention relates to a device for cleaning, in particular descaling a warm rolled product (2), in particular slabs or strips, moved translationally relative to the device in a direction of movement, with a pressurised fluid, comprising at least one nozzle holder which is rotatably held on a central bearing (5) that is perpendicular or inclined with respect to the rolled product surface to be processed, at least one jet nozzle (4) held in an arm (31, 32) of the nozzle holder, from which jet nozzle the pressurised fluid is discharged during operation, wherein the jet nozzle (4) is oriented such that a fluid jet discharging from the jet nozzle (4) during operation is applied to the rolled product surface linearly or at an angle to the rolled product surface, wherein the at least one jet nozzle (4) is mounted on the nozzle holder (3) such that it can rotate about an axis of rotation oriented parallel to the central bearing (5) of the nozzle holder (3), wherein during operation the jet nozzle (4) is rotatably driven such that an angle between the direction of movement of the rolled product and the orientation of the fluid jet discharging from the jet nozzle (4) is constant in the plane of the rolled product surface, wherein an axis of rotation with a feed line (13) introduced therein for the pressurised fluid is accommodated in the central bearing (5), which is connected to a feed line (14) in the respective arm (31, 32) of the nozzle holder (3), which opens into a feed opening (43) of a nozzle housing (41) of the jet nozzle (4) and that a vector defining the emission direction of the fluid jet pressurised to between 80 bar and 1000 bar from the jet nozzle (4) has no component in the direction of movement of the rolled product (2). In addition, a method for cleaning is described.

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Cited by
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