

Title (en)

DEVICE AND METHOD FOR DESCALING A MOVING WORKPIECE

Title (de)

VORRICHTUNG UND VERFAHREN ZUM ENTZUNDERN EINES BEWEGTEN WERKSTÜCKS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE DÉCALAMINAGE D'UNE PIÈCE DÉPLACÉE

Publication

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Application

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Abstract (en)

[origin: WO2017157940A1] The invention relates to a device and a method for descaling a workpiece that is in motion relative to the device in a movement direction (X). The device (10) comprises a rotor head (14) which can rotate about an axis of rotation (R) that is tilted, at an angle ( $\gamma$ ), at an incline with respect to an orthogonal line to a surface (20) of the workpiece (12). The device also comprises a plurality of jet nozzles (16) mounted on the rotor head (14), wherein a liquid (18), particularly water, can be emitted from the jet nozzles (16) onto the workpiece (12) at an angle of incidence ( $\alpha$ ) at an incline to the surface (20) of said workpiece (12). The jet nozzles (16) are mounted rigidly on the rotor head (14) such that, when said rotor head (14) rotates about its axis of rotation (R), the spray direction (S) of the liquid (18) emitted from the jet nozzles (16) is directed counter relative to a projection into a plane parallel to the surface (20) of the workpiece (12), i.e. at a spray angle ( $\beta$ ) of approximately  $180^\circ$  to the movement direction (X) of the workpiece (12).

IPC 8 full level

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