

Title (en)

DEVICE AND METHOD FOR TREATING A COMPONENT

Title (de)

VORRICHTUNG UND VERFAHREN ZUM BEHANDELN EINES BAUTEILS

Title (fr)

DISPOSITIF ET PROCÉDÉ DE TRAITEMENT D'UNE PIÈCE

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Application

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Abstract (en)

[origin: WO2019081403A1] The invention relates to a device (10) for treating a component (19) comprising a nozzle element (11) having at least one flow path (12) for introducing a fluid and at least one supply channel for solid particles, wherein a jet formed from the fluid and the solid particles passes out via at least one nozzle outlet opening of the nozzle element. In addition, a closure element (13) is arranged in the at least one flow path (12) of the nozzle element (11), wherein the closure element (13) can move back and forth alternately between a position unblocking the flow path (12) and a position blocking the flow path (12), in order to create a pulsing jet, wherein an in-feed region (22), where supply channels (14, 14') transition into the flow path (12), is arranged downstream of the closure element (13) in the flow direction, such that jet impulses of the pulsing jet form a strengthened pulsing jet formed of fluid and particles, on their way to the nozzle outlet opening (18) by sweeping along solid particles from the supply channels.

IPC 8 full level

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