

Title (en)

METHOD AND APPARATUS FOR BLOWING OUT AND/OR FOR SPRAYING DIES OF FORGING PRESSES

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUSBLASEN UND/ODER BESPRÜHEN VON GESENKEN VON SCHMIEDEPRESSEN

Title (fr)

PROCEDE ET DISPOSITIF DE SOUFFLAGE ET/OU DE PULVERISATION DE MATRICES DE PRESSES A FORGER

Publication

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Application

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Priority

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Abstract (en)

[origin: US2008236229A1] In a method for blowing out and/or for spraying dies (3, 5), arranged at the top and/or bottom, of forging presses, in particular drop forging presses, comprising automatic workpiece transport by means of a transport lifting beam (8) provided with gripping devices (9) and comprising a mechanical blow-out and spray device (11; 10) which is introduced into the tool space (1) of the forging press and is withdrawn again from the latter, a spray lifting beam (11) provided with spray devices (10) is moved into the tool space (1) synchronously with the lifting and removal movement of the transport lifting beam (8), but independently of the latter, while the transport lifting beam (8) lifts a workpiece (6) produced in a preceding forging operation and removes it from the tool space (1), wherein the spray devices (10) are actuated within the tool space and the forging dies (3, 5) are lubricated and/or cooled close to the contour. An apparatus used for this purpose is distinguished by the fact that a separate spray lifting beam (11) formed with spray devices (10) that can be actuated temporarily is assigned to the transport lifting beam (8), wherein the drives of the two lifting beams (8; 11) are synchronized with opposed sequences of movement via an automatic lifting beam mechanism and the lifting beams (8; 11) are connected for their activation to a common open-loop and closed-loop control device (12).

IPC 8 full level

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