

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

**EP 06818059 A 20061107**

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blow-out and spray device ( 11; 10 ) which is introduced into the tool space ( 1 ) of the forging press and is withdrawn again from the latter, a spray lifting beam ( 11 ) provided with spray devices ( 10 ) is moved into the tool space ( 1 ) synchronously with the lifting and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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CPC (source: EP KR US)

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