

## Title (en)

PRESS FOR MAKING DIMENSIONALLY STABLE PRESSED ARTICLES FROM POWDERY MATERIAL

## Publication

**EP 0077897 A3 19841128 (DE)**

## Application

**EP 82107540 A 19820818**

## Priority

DE 3142126 A 19811023

## Abstract (en)

[origin: US4482307A] A press designed for producing true-to-size workpieces from powder material has upper and lower platens, a base plate, a die support plate and a lower stamp, which is moved hydraulically in translation in relation to the base plate and the die plate. The die plate and the base plate are parts of a frame structure using pull-rods and having the die plate and a lower joining plate as parts thereof. The frame structure is joined with the top platen of the press by way of a connection piece, which may be moved in translation in relation to the frame structure in the direction of pressing, whereas the lower platen of the press is joined up with the lower joining plate. To get an even density in the pressed workpieces and to make possible the use of modern electronic control systems the lower stamp of the press is made up of at least two lower stamp parts which are supported on machine parts. These machine parts are supported in relation to the base plate by way of hydraulic piston and cylinder units and are stopped in the pressing position by way of stops which are fixed in relation to the press frame. Furthermore, for ejection of the pressed workpieces after moving down the die (and after faces of the workpieces have come clear of the die) the machine parts may be moved together in stages so that downwardly facing ring-like faces on the workpiece come clear of the stamp parts in turn.

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## IPC 8 full level

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## CPC (source: EP US)

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## Citation (search report)

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