

Title (en)

Method and device for removing a slug from an internal high-pressure forming tool

Title (de)

Verfahren und Vorrichtung zum Entnehmen eines Lochbutzens aus einem Innenhochdruck-Umformwerkzeug

Title (fr)

Porcédé et dispositif pour l'enlèvement d'une pièce découpée d'un outil de formage par haute pression interne

Publication

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Application

EP 99810930 A 19991013

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- DE 19851328 A 19981106
- DE 19902634 A 19990123

Abstract (en)

[origin: EP0995513A1] High inner pressure moves the end face (20) of the die (18) from the tool surface (12) against the workpiece (10), within the die guide drilling (16). The die (18) is retracted by a length which equals the thickness (a) of the workpiece (10). The stamped plug is carried with the die against the punching direction and as the pressure drops, it is released and detached, for disposal under control.

IPC 8 full level

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CPC (source: EP)

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Cited by

CN113083996A; EP1671716A1; CN102481615A; CN117983728A; US7552535B2; WO2011016065A1; WO2004043623A1; US7765906B2; US9308565B2

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