Title (en)
MULTI-LAYER FINE BLANKING PROCESS FOR MANUFACTURING METAL PARTS AND FINE BLANKING DEVICE FOR CARRYING OUT SUCH PROCESS

Title (de)
MEHRSCHICHTIGES FEINSCHNEIDVERFAHREN ZUR HERSTELLUNG VON METALLTEILEN UND FEINSCHNEIDVORRICHTUNG ZUR DURCHFÜHRUNG SOLCH EINES VERFAHRENS

Title (fr)
PROCÉDÉ DE DÉCOUPAGE FIN MULTI-COUCHE POUR LA FABRICATION DE PIÈCES MÉTALLIQUES ET DISPOSITIF DE DÉCOUPAGE FIN POUR LA MISE EN OEUVRE D'UN TEL PROCÉDÉ

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Abstract (en)
[origin: WO2020135926A1] The present invention relates to a process for the simultaneously blanking of metal parts from a multi-layered basic material (51) composed of a number of mutually stacked, preferably essentially identical, individual layers (50). Prior to such blanking of the metal parts, the multi-layered basic material (51) is provided with an interlock (1) by the local plastic deformation thereof between a press-locking punch (101) and an anvil (103), whereby the individual layers (50) are mutually fixated in all three spatial dimensions. According to the invention, the interlock (1) is provided to the multi-layered basic material (51) outside the (virtual) contour of the metal parts (10) to be blanked.

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