

Title (en)

DRAWING DIE FOR WORKING DEPRESSIONS OF A SHEET-METAL COMPONENT, IN PARTICULAR OF A MOTOR VEHICLE

Title (de)

ZIEHWERKZEUG ZUM BEARBEITEN VON VERTIEFUNGEN EINES BLECHBAUTEILS, INSbesondere EINES KRAFTFAHRZEUGS

Title (fr)

OUTIL D'EMBOUTISSAGE POUR L'USINAGE DE CAVITÉS D'UNE PIÈCE EN TÔLE, EN PARTICULIER D'UN VÉHICULE AUTOMOBILE

Publication

EP 4031305 A1 20220727 (DE)

Application

EP 20776095 A 20200916

Priority

- DE 102019125136 A 20190918
- EP 2020075908 W 20200916

Abstract (en)

[origin: WO2021053037A1] The present invention relates to a drawing die (10) for working depressions (76) of a sheet-metal component (26), in particular of a motor vehicle, comprising a load-bearing structure (12), at least one supporting portion (16), which is fastened or can be fastened on the load-bearing structure (12) and with which the drawing die (10) can be placed on the sheet-metal component (26) and is mounted on the load-bearing structure (12), and a moving device (36), which is mounted on the load-bearing structure (12) and by means of which the drawing means (28) can be moved in relation to the sheet-metal component (26), wherein at least the load-bearing structure (12) is formed from a fibre-reinforced plastic (52).

IPC 8 full level

B21D 1/06 (2006.01); **B21D 37/01** (2006.01)

CPC (source: EP US)

B21D 1/06 (2013.01 - EP US); **B21D 37/01** (2013.01 - EP US)

Citation (search report)

See references of WO 2021053037A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102019125136 A1 20210318; EP 4031305 A1 20220727; US 11865601 B2 20240109; US 2023040640 A1 20230209;
WO 2021053037 A1 20210325

DOCDB simple family (application)

DE 102019125136 A 20190918; EP 2020075908 W 20200916; EP 20776095 A 20200916; US 202017761904 A 20200916