

Title (en)

METHOD AND DEVICE FOR SEPARATING A FLAT WORKPIECE FROM A MATERIAL SHEET

Title (de)

VERFAHREN UND VORRICHTUNG ZUM AUSBRECHEN EINES FLÄCHIGEN WERKSTÜCKS AUS EINEM WERKSTOFFBOGEN

Title (fr)

PROCÉDÉ ET DISPOSITIF D'ENLÈVEMENT D'UNE PIÈCE PLATE D'UNE FEUILLE DE MATÉRIAU

Publication

**EP 3554782 A1 20191023 (DE)**

Application

**EP 17838035 A 20171212**

Priority

- DE 102016124848 A 20161219
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- EP 2017082487 W 20171212

Abstract (en)

[origin: US2018169884A1] In a device for breaking out a workpiece (3) from a material sheet (2) through an opening (4) of a die (1) by means of a breakout tool (5), the die (1) is to have a plug-in unit (22), wherein a breakout module (9.1-9.4) is insertable into the plug-in unit (22), wherein the breakout module (9.1-9.4) is composed of an insert (10) and of a module lobe (11), wherein the insert (10) has a surface (16) and a shearing edge (17), wherein the shearing edge (17) toward a bearing face (12) of the module lobe (11) configures an offcut length (18), and wherein the offcut length has a height (h) of 0.8 mm to 1.8 mm, and preferably of 1.5 mm.

IPC 8 full level

**B26D 7/18** (2006.01); **B26F 1/44** (2006.01)

CPC (source: EP US)

**B26D 7/1818** (2013.01 - EP US); **B26D 2007/1881** (2013.01 - EP US); **B26D 2007/189** (2013.01 - EP US); **B26F 1/44** (2013.01 - EP US); **Y10T 225/371** (2015.04 - EP US); **Y10T 225/379** (2015.04 - EP US)

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