

Title (en)  
Method for the preparation of a cutting and/or punching and/or creasing tool

Title (de)  
Verfahren zur Herstellung eines Schneid- und/oder Stanz- und/oder Rillwerkzeugs

Title (fr)  
Procédé de fabrication d'un outil de coupe et/ou d'emboutissage et/ou de rainurage

Publication  
**EP 2886320 A1 20150624 (DE)**

Application  
**EP 13198779 A 20131220**

Priority  
EP 13198779 A 20131220

Abstract (en)  
[origin: WO2015091547A1] The invention relates to a method for producing a cutting and/or stamping-out and/or creasing tool (10) comprising a carrier plate (12) for accommodating at least one line (14, 16) from the group comprising cutting and/or scoring and/or creasing lines, wherein the carrier plate (12) of the cutting and/or stamping-out and/or creasing tool (10) and/or at least one line (14, 16) from the group comprising cutting and/or scoring and/or creasing lines and/or at least one plastic or elastomer strip (18) to be arranged on the carrier plate (12) and/or at least one embossing element (20) is produced by means of an additive manufacturing method.

Abstract (de)  
Die vorliegende Erfindung betrifft ein Verfahren zur Herstellung eines Schneid- und/oder Stanz- und/oder Rillwerkzeugs (10) umfassend eine Trägerplatte (12) zur Aufnahme von mindestens einer Linie (14, 16) aus der Gruppe der Schneid- und/oder Ritz- und/oder Rilllinien, wobei die Trägerplatte (12) des Schneid- und/oder Stanz- und/oder Rillwerkzeugs (10) und/oder mindestens eine Linie (14, 16) aus der Gruppe der Schneid- und/oder Ritz- und/oder Rilllinien und/oder mindestens ein auf der Trägerplatte (12) anzuordnender Kunststoff- oder Elastomerstreifen (18) und/oder mindestens ein Prägeelement (20) mittels eines generativen Fertigungsverfahrens hergestellt wird.

IPC 8 full level  
**B31B 50/25** (2017.01); **B26F 1/44** (2006.01); **B31F 1/08** (2006.01)

CPC (source: EP)  
**B26F 1/44** (2013.01); **B31F 1/08** (2013.01); **B26F 2001/4418** (2013.01); **B26F 2001/4436** (2013.01); **B31B 50/252** (2017.07)

Citation (applicant)  
EP 1238793 A1 20020911 - ESSMANN & SCHAEFER [DE]

Citation (search report)

- [XYI] DE 202011051257 U1 20120809 - VOSSEN FRANZ [DE]
- [X] US 5897479 A 19990427 - SINN ROLF [DE]
- [X] DE 3831393 A1 19900322 - GREBE WOLFGANG PROF DR ING [DE]
- [Y] US 5855149 A 19990105 - ISLAM MAHMUD-U [CA], et al
- [Y] DE 10159084 A1 20030626 - DONEIT WOLFGANG [DE]
- [Y] WO 2013060375 A1 20130502 - HEWLETT PACKARD INDIGO BV [NL], et al
- [Y] US 4052886 A 19771011 - BUICK JAMES A
- [A] EP 1629934 A2 20060301 - WINKLER & DUENNEBIER AG [DE]
- [A] US 5409442 A 19950425 - SMITHWICK JR JAMES M [US]

Cited by  
EP2982463A3; EP3403782A1; US2018147807A1; US11148385B2; EP3548233A4; US11396155B2; WO2018102661A1; WO2018210719A1

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)  
**EP 2886320 A1 20150624**; **EP 2886320 B1 20191106**; DK 2886320 T3 20191216; EP 3083226 A1 20161026; ES 2761926 T3 20200521; HR P20192187 T1 20200403; HU E047783 T2 20200528; PL 2886320 T3 20200331; PT 2886320 T 20191212; RS 59602 B1 20200131; SI 2886320 T1 20200131; WO 2015091547 A1 20150625

DOCDB simple family (application)  
**EP 13198779 A 20131220**; DK 13198779 T 20131220; EP 14824423 A 20141216; EP 2014078060 W 20141216; ES 13198779 T 20131220; HR P20192187 T 20191204; HU E13198779 A 20131220; PL 13198779 T 20131220; PT 13198779 T 20131220; RS P20191528 A 20131220; SI 201331630 T 20131220