

Title (en)

Blank for producing packaging or the like and method for producing such a blank

Title (de)

Zuschnitt zur Herstellung einer Verpackung o.dgl. sowie Verfahren zum Herstellen eines solchen Zuschnitts

Title (fr)

Section destinée à fabriquer un emballage ou analogue ainsi que procédé de fabrication d'une telle section

Publication

**EP 2700583 B1 20180214 (DE)**

Application

**EP 12181669 A 20120824**

Priority

EP 12181669 A 20120824

Abstract (en)

[origin: EP2700583A1] The blank structure (10) has a layer portion (12) that is made of paper, corrugated cardboard or plastic. A folding groove (14) is defined in the wall regions (16,18,20) of the layer portion by applying the laser beam energy. The material region (24) is formed in the wall region of the of the layer portion. The folding groove of arc-shaped, is provided with the groove bottom portion (22) of circular or elliptical shaped. An independent claim is included for method for manufacturing blank structure for producing three-dimensional structure.

IPC 8 full level

**B65D 5/42** (2006.01)

CPC (source: EP)

**B65D 5/4266** (2013.01)

Citation (examination)

- DE 10056811 A1 20010705 - BERG DIRK F [DE]
- DE 102009029358 A1 20110324 - BOSCH GMBH ROBERT [DE]
- WO 9929496 A1 19990617 - MARBACH GMBH KARL [DE], et al
- WO 9737837 A1 19971016 - COMAG PRINTING & CONVERTING SY [CH], et al
- US 5393295 A 19950228 - KNECHT JOHN [US]

Citation (opposition)

Opponent : MAUCHER JENKINS

- DE 102010041663 A1 20120329 - HUHTAMAKI RONSBERG ZN DER HUHTAMAKI DEUTSCHLAND GMBH & CO KG [DE]
- WO 2008044190 A1 20080417 - AMCOR RENTSCH RICKENBACH AG [CH], et al
- EP 2174878 A1 20100414 - SUNTORY HOLDINGS LTD [JP]
- DE 102008027357 A1 20091210 - JENOPTIK AUTOMATISIERUNGSTECH [DE]
- US 6435402 B1 20020820 - HENGAMI DAVID TODJAR [US]
- DE 10056811 A1 20010705 - BERG DIRK F [DE]
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- EP 0547449 A2 19930623 - FOCKE & CO [DE]
- HAUPTMANN J. ET AL: "Hochflexibles Laser-Rillen und -Stanzen bei der Herstellung von digital gedruckten Umverpackungen", FRAUNHOFER IVVS, 21 March 2012 (2012-03-21), Dresden, pages 1 - 23, XP055528906
- FRAUHOFFER IVV & TESCHICHE UNIVERSITÄT DRESDEN: "Tagungsband", VVD 2012 22./23. MÄRZ, 22 March 2012 (2012-03-22), pages 2 - 6, XP055529086

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DOCDB simple family (publication)

**EP 2700583 A1 20140226; EP 2700583 B1 20180214;** DK 2700583 T3 20180326; ES 2662870 T3 20180410; HU E036651 T2 20180730; LT 2700583 T 20180326; NO 2700583 T3 20180714; PL 2700583 T3 20180731; PT 2700583 T 20180524; RS 56928 B1 20180531; SI 2700583 T1 20180531

DOCDB simple family (application)

**EP 12181669 A 20120824;** DK 12181669 T 20120824; ES 12181669 T 20120824; HU E12181669 A 20120824; LT 12181669 T 20120824; NO 12181669 A 20120824; PL 12181669 T 20120824; PT 12181669 T 20120824; RS P20180235 A 20120824; SI 201231244 T 20120824