

Title (en)

Embossed metal plate with a three dimensional structure for producing documents using a hot-cold laminating press

Title (de)

Prägeblech mit dreidimensionaler Struktur zur Herstellung von Dokumenten mittels Heiss-Kalt-Laminierpresse

Title (fr)

Feuille métallique en relief avec une structure tridimensionnelle pour la fabrication de documents utilisant une presse de laminage chaude froide

Publication

**EP 1629994 A3 20080723 (DE)**

Application

**EP 05017575 A 20050812**

Priority

DE 102004041434 A 20040827

Abstract (en)

[origin: EP1629994A2] The stamping sheet (1) produces documents by means of lamination and/or surface stamping. The stamping process produces recessed structures (3, 7, 8, 9) and raised structures (4, 5, 10, 11) relative to a highly polished surface (6), which serves as a reference zone. The recessed structures are produced in other single-stage this truck during process, which does not affect the surface of stamping sheet not involved in the process.

IPC 8 full level

**B42D 15/10** (2006.01); **B44B 5/02** (2006.01); **B44C 1/22** (2006.01)

CPC (source: EP US)

**B30B 15/062** (2013.01 - EP); **B42D 25/00** (2014.10 - EP US); **B42D 25/23** (2014.10 - US); **B42D 25/24** (2014.10 - US); **B42D 25/324** (2014.10 - EP US); **B42D 25/425** (2014.10 - EP US); **B44B 5/026** (2013.01 - EP US); **B44C 1/225** (2013.01 - EP US); **B44C 1/227** (2013.01 - EP US); **B44C 1/228** (2013.01 - EP US); **B42D 25/328** (2014.10 - EP US); **B42D 2035/26** (2022.01 - EP); **Y10S 72/70** (2013.01 - EP US)

Citation (search report)

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- [Y] DE 19741998 A1 19990325 - BAUBLYS GMBH [DE]
- [Y] DE 2706947 A1 19780824 - STANDEX INT GMBH
- [A] US 6361702 B1 20020326 - GREAR PHILIP JOSEPH [US]
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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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DOCDB simple family (publication)

**EP 1629994 A2 20060301**; **EP 1629994 A3 20080723**; **EP 1629994 B1 20110608**; AT E512002 T1 20110615; DE 102004041434 A1 20060316; DE 102004041434 B4 20131010; ES 2367897 T3 20111110; PL 1629994 T3 20120131; SI 1629994 T1 20111130; US 2006191861 A1 20060831; US 7757538 B2 20100720

DOCDB simple family (application)

**EP 05017575 A 20050812**; AT 05017575 T 20050812; DE 102004041434 A 20040827; ES 05017575 T 20050812; PL 05017575 T 20050812; SI 200531360 T 20050812; US 21338405 A 20050826