

Title (en)

Embossing-laminating device, and multiply embossed product

Title (de)

Präge- und Kaschiermaschine sowie mehrlagiges geprägtes Produkt

Title (fr)

Dispositif de gaufrage et laminage et produit multi-couche gaufré

Publication

**EP 1772257 A3 20090916 (EN)**

Application

**EP 06425692 A 20061009**

Priority

IT FI20050212 A 20051010

Abstract (en)

[origin: EP1772257A2] Described herein is an embossed multiply paper-sheet material, comprising at least one first ply and at least one second ply joined to one another by gluing, in which the first ply (V1) and the second ply (V3) have first protuberances and second protuberances (301 P, 101 P) oriented towards the inside of the weblike material, at least some of the first protuberances of the first ply corresponding to some of the second protuberances of the second ply. At least some of said first and second protuberances are elongated in longitudinal directions that intersect one another so that protuberances that correspond to one another are in mutual contact and glued in an intermediate area of their longitudinal development.

IPC 8 full level

**B31F 1/07** (2006.01)

CPC (source: EP)

**B31F 1/07** (2013.01); **B31F 2201/0733** (2013.01); **B31F 2201/0738** (2013.01); **B31F 2201/0764** (2013.01); **B31F 2201/0766** (2013.01); **B31F 2201/0776** (2013.01); **B31F 2201/0787** (2013.01)

Citation (search report)

- [XY] US 3738905 A 19730612 - THOMAS G
- [Y] EP 0980750 A1 20000223 - PAPER CONVERTING MACHINE CO [US]
- [X] US 4284465 A 19810818 - WALBRUN LAWRENCE A
- [X] FR 2252212 A1 19750620 - PROCTER & GAMBLE [US]
- [X] WO 9727365 A1 19970731 - KAYSERSBERG SA [FR], et al
- [E] WO 2008125149 A1 20081023 - SCA HYGIENE PROD GMBH [DE], et al

Cited by

RU2484968C2; RU2484969C2; FR2946279A1; US8920905B2; US9205623B2; WO2010066285A1; WO2010066284A1; WO2010139759A1; WO2015104029A1; EP2048283B1

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AL BA HR MK RS

DOCDB simple family (publication)

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