

Title (en)

Method for producing a web of material

Title (de)

Verfahren und Vorrichtung zur Herstellung bahnförmiger Materialien

Title (fr)

Méthode pour la fabrication d'une bande de materiau

Publication

**EP 1527902 B1 20150325 (DE)**

Application

**EP 04024924 A 20041020**

Priority

DE 10350212 A 20031027

Abstract (en)

[origin: EP1527902A2] Method for preparing a material (A), in the form of an endless belt, having a relief structure, preferably a diffraction structure. Method for preparing a material (A), in the form of an endless belt, having a relief structure, preferably a diffraction structure, comprises coating a substrate, at least on some regions, with a layer of radiation-hardenable lacquer (I) and forming the relief structure in (I). The new feature is that, up to the time when the structure is formed, (I) has a degree of hardness below the gel point. Independent claims are also included for the following: (1) (A) produced by the new method; (2) safety element prepared using (A); (3) safety document that includes an element of (2); and (4) apparatus for preparing (A).

IPC 8 full level

**B42D 15/10** (2006.01); **B42D 25/324** (2014.01); **B42D 25/328** (2014.01); **B42D 25/425** (2014.01)

CPC (source: EP)

**B42D 25/328** (2014.10)

Citation (opposition)

Opponent : De La Rue International Limited

- EP 1310381 A2 20030514 - HUECK FOLIEN GMBH [AT]
- US 4840757 A 19890620 - BLENKHORN GARY P [US]
- US 3689346 A 19720905 - ROWLAND WILLIAM P
- US 4758296 A 19880719 - MCGREW STEPHEN P [US]
- US 5591527 A 19970107 - LU SHIH-LAI [TW]
- CA 2155850 A1 19940818 - MATTHIESEN GERDA [DE]

Cited by

EP1879154A3; US2015137504A1; US10322603B2; GB2456432A; GB2477220A; GB2477221A; GB2477220B; GB2456432B; GB2477221B; US8783728B2; US8740253B2; WO2008145333A3; WO2008076785A1; WO2008031170A1; US8865374B2; US10625534B2; EP3242165B1

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DOCDB simple family (publication)

**EP 1527902 A2 20050504; EP 1527902 A3 20110831; EP 1527902 B1 20150325; EP 1527902 B2 20181114;** DE 10350212 A1 20050525

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