

Title (en)

Embossing-laminating unit, method of embossing a web material and embossed material

Title (de)

Präge-Beschichtungs-Einheit, Verfahren zur Prägung eines Bahnenmaterials und geprägtes Material

Title (fr)

Unité de gaufrage-stratification, procédé pour le gaufrage d'un matériau de toile et matériau gaufré

Publication

**EP 1908579 A1 20080409 (EN)**

Application

**EP 07425605 A 20071001**

Priority

IT FI20060243 A 20061004

Abstract (en)

The embossing laminating unit comprises a first embossing roller (1) comprising a cylindrical surface provided with protuberances and cooperating with a first pressure roller (7); a second embossing roller with (3) with a cylindrical surface provided with protuberances and cooperating with a second pressure roller (9). The first embossing roller and the second embossing roller define therebetween a lamination nip (5). The protuberances on the first and on the second embossing roller are disposed so that in said lamination nip some protuberances are disposed in tip-to-tip configuration and some are disposed in nested configuration.

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 2201/0787** (2013.01)

Citation (applicant)

US 4320162 A 19820316 - SCHULZ GALYN A

Citation (search report)

- [XY] US 4320162 A 19820316 - SCHULZ GALYN A
- [XY] US 6551691 B1 20030422 - HOEFT BENOIT [FR], et al
- [X] US 2003118782 A1 20030626 - GRAFF PIERRE [FR]
- [X] US 2003102096 A1 20030605 - DWIGGINS JOHN H [US], et al
- [X] GB 2376436 A 20021218 - SCA HYGIENE PROD GMBH [DE]
- [Y] US 2003198788 A1 20031023 - ANDERSSON ANDERS [SE], et al

Cited by

EP1970193A3; DE102014009320A1; US2015298420A1; EP3858593A1; EP2353857A1; EP2955016A1; US10654239B2; WO2016030784A1; WO2015186052A1; EP3677422B1

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**EP 1908579 A1 20080409**; IT FI20060243 A1 20080405

DOCDB simple family (application)

**EP 07425605 A 20071001**; IT FI20060243 A 20061004