

Title (en)

Device for satinizing and embossing packaging foils

Title (de)

Vorrichtung zum Satinieren und Prägen von Verpackungsfolien

Title (fr)

Dispositif destiné à satiner et gaufrer des feuilles d'emballage

Publication

EP 1925443 B1 20120829 (DE)

Application

EP 06405487 A 20061122

Priority

EP 06405487 A 20061122

Abstract (en)

[origin: EP1925443A1] The sanitizing and embossing device has three embossing rolls with two embossing rolls set to be in contact. A packaging foil is passed under pressure between two different sets of rolls to produce a satin finish and a pattern. One embossing roll has a tooth array while the two other rolls has a different surface structure with structural components arranged circularly longitudinally or helically or in groups but not in the same basic grid as the first roll. Each structural component has an individual teeth (35) or a continuously formed ridge or a combination. An independent claim is also included for sanitizing and embossing method for packaging foils.

IPC 8 full level

B31F 1/07 (2006.01)

CPC (source: EP US)

B31F 1/07 (2013.01 - EP US); **B31F 2201/0733** (2013.01 - EP US); **B31F 2201/0741** (2013.01 - EP US); **B31F 2201/0743** (2013.01 - EP US)

Cited by

EP2468493A1; CN103282192A; US9505167B2; US8495900B2; WO2012085187A1; WO2009155720A1; EP2655054A1; EP2353858A1; WO2011098376A1; US9481141B2

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

DOCDB simple family (publication)

EP 1925443 A1 20080528; **EP 1925443 B1 20120829**; **EP 1925443 B9 20121114**; BR PI0704244 A 20080715; CA 2610176 A1 20080522; CA 2610176 C 20150113; CN 101186125 A 20080528; CN 101186125 B 20140528; ES 2391648 T3 20121128; JP 2008126669 A 20080605; JP 5166003 B2 20130321; RU 2007142700 A 20090527; RU 2483935 C2 20130610; US 2008116610 A1 20080522; US 8430663 B2 20130430; ZA 200709348 B 20081029

DOCDB simple family (application)

EP 06405487 A 20061122; BR PI0704244 A 20071122; CA 2610176 A 20071113; CN 200710188653 A 20071121; ES 06405487 T 20061122; JP 2007301099 A 20071121; RU 2007142700 A 20071121; US 93389207 A 20071101; ZA 200709348 A 20071030