

Title (en)

Embossing stamp and hot embossing method

Title (de)

Prägestempel und Heißprägeverfahren

Title (fr)

Tampon d'imprégnation et procédé d'imprégnation à chaud

Publication

EP 2380746 A3 20121205 (DE)

Application

EP 11158305 A 20110315

Priority

DE 102010012734 A 20100324

Abstract (en)

[origin: EP2380746A2] The method involves heating rear side of an embossing stamp (1) at temperature, and arranging a hot embossing film between the embossing stamp and a substrate. The heated embossing stamp is pressed under pressure on the hot embossing film and the substrate, so that a transmission layer of the hot embossing film in a motif region is transferred to the substrate. The transmission layer of the hot embossing film is heated at temperature below embossing temperature at a region of a dry embossing insert (12) and is not transferred to the substrate. An independent claim is also included for an embossing stamp for transferring a transmission layer of a hot embossing film to a substrate.

IPC 8 full level

B44B 5/02 (2006.01); **B44C 1/17** (2006.01)

CPC (source: EP)

B44B 5/028 (2013.01); **B44C 1/1729** (2013.01)

Citation (search report)

- [A] US 5494431 A 19960227 - TELFER MARK A [US]
- [A] GB 2276350 A 19940928 - FALCONTEC LTD [GB]

Cited by

EP2660074A1; CN108944223A; CN107921812A; RU2719139C2; US10870311B2; WO2016206926A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2380746 A2 20111026; EP 2380746 A3 20121205; EP 2380746 B1 20131211; DE 102010012734 B3 20111006

DOCDB simple family (application)

EP 11158305 A 20110315; DE 102010012734 A 20100324