

Title (en)

METHOD FOR APPLYING AN IMAGE TO A SHEET MATERIAL BY STAMPING (VARIANTS), A CALENDER PRESS FOR CARRYING SAID METHOD (VARIANTS) AND A PRODUCT OBTAINED ACCORDING TO SAID METHOD USING THE CALENDER PRESS (VARIANTS)

Title (de)

VERFAHREN ZUM AUFBRINGEN EINES BILDS AUF EIN FLÄCHENMATERIAL DURCH STANZEN (VARIANTEN), KALANDERPRESSE ZUR DURCHFÜHRUNG DES VERFAHRENS (VARIANTEN) UND GEMÄSS DEM VERFAHREN UNTER VERWENDUNG DER KALANDERPRESSE ERHALTENES PRODUKT (VARIANTEN)

Title (fr)

PROCÉDÉ POUR APPLIQUER UNE IMAGE SUR UN MATÉRIAU EN FEUILLE PAR IMPRESSION EN RELIEF (ET VARIANTES), CALANDRE POUR METTRE EN OEUVRE CE PROCÉDÉ (ET VARIANTES) ET ARTICLE FABRIQUÉ PAR CE PROCÉDÉ UTILISANT LADITE CALANDRE (ET VARIANTES)

Publication

EP 2095971 A4 20100512 (DE)

Application

EP 07794095 A 20070723

Priority

- RU 2007000405 W 20070723
- RU 2006137642 A 20061025

Abstract (en)

[origin: WO2008051112A1] The invention relates to mechanically processing sheet or coiled or laminated material, in particular to stamping methods and means. The inventive method for producing a photograph-like image on metal paper or metallised material in such away that demi-tints are transmitted and the image is securely protected against counterfeit, consists in applying an image by means of a calender press, the working surface of one of the rolls of which or the working surfaces of the both rolls of which are provided with rows of projections, in forming a relief surface, the shape and the variable depth of which are determined by the reproducible original of the image according to the optical density of corresponding areas of the reproducible image, on one of the rolls by engraving and removing the material of projections within the limits of the height thereof, and in producing a like-photograph image which is differently ("negative" or "positive") perceivable according to a visual angle, and/or the type and/or the position of a light source. The variants of the embodiment of the method and the calender press are also disclosed.

IPC 8 full level

B44B 5/00 (2006.01); **B31F 1/07** (2006.01); **B41M 3/00** (2006.01); **B44C 1/24** (2006.01)

CPC (source: EP)

B44B 5/0009 (2013.01); **B44C 1/24** (2013.01); **B44F 1/02** (2013.01)

Citation (search report)

- [XY] WO 0220274 A1 20020314 - GIESECKE & DEVRIENT GMBH [DE], et al & RU 2264920 C2 20051127
- [YA] EP 1437213 A1 20040714 - BOEGLI GRAVURES SA [CH]
- [A] WO 2006058424 A1 20060608 - NOVELIS INC [CA], et al
- See references of WO 2008051112A1

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

DOCDB simple family (publication)

EP 2095971 A1 20090902; **EP 2095971 A4 20100512**; RU 2006137642 A 20080427; RU 2359839 C2 20090627; WO 2008051112 A1 20080502

DOCDB simple family (application)

EP 07794095 A 20070723; RU 2006137642 A 20061025; RU 2007000405 W 20070723