

Title (en)

TRANSFERRING PRINTED AND/OR EMBOSSED STRUCTURES ONTO A CONTINUOUS FILM

Title (de)

ÜBERTRAGUNG VON DRUCK- UND/ODER PRÄGESTRUKTUREN AUF EINE ENDLOS-FOLIE

Title (fr)

TRANSFERT DE STRUCTURES À IMPRIMER ET/OU À REPRODUIRE PAR ESTAMPAGE SUR UNE FEUILLE SANS FIN

Publication

EP 2237954 A2 20101013 (DE)

Application

EP 08867569 A 20081217

Priority

- EP 2008010745 W 20081217
- DE 102007063277 A 20071227

Abstract (en)

[origin: WO2009083149A2] The invention relates to an apparatus and a method for transferring printed and/or embossed structures onto a security element, said apparatus comprising a printing or embossing cylinder (3) and a counter- pressure cylinder (5). The security element encompasses at least one substrate in the form of a continuous film (1), at least some areas of which are permeable to light and which is conveyed between the printing or embossing cylinder (3) and the counter-pressure cylinder (5). According to the invention, at least one pivotally adjustable roll (4) which overstretches the continuous film (1) towards one side is disposed before the printing or embossing cylinder (3) in the direction of travel of the continuous film (1) such that the continuous film (1) is inclined relative to the axis of the printing or embossing cylinder (3).

IPC 8 full level

B41F 13/02 (2006.01); **B41F 19/02** (2006.01); **B65H 23/02** (2006.01)

CPC (source: EP US)

B41F 13/02 (2013.01 - EP US); **B41F 19/02** (2013.01 - EP US); **B65H 23/02** (2013.01 - EP US); **B65H 2301/5126** (2013.01 - EP US); **B65H 2404/15212** (2013.01 - EP US)

Citation (search report)

See references of WO 2009083149A2

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007063277 A1 20090702; EP 2237954 A2 20101013; US 2011023734 A1 20110203; WO 2009083149 A2 20090709; WO 2009083149 A3 20091119

DOCDB simple family (application)

DE 102007063277 A 20071227; EP 08867569 A 20081217; EP 2008010745 W 20081217; US 81044608 A 20081217