

Title (en)
SECURITY ELEMENT AND METHODS FOR THE PRODUCTION THEREOF

Title (de)
SICHERHEITSELEMENT UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
ELEMENT DE SECURITE ET SON PROCEDE DE PRODUCTION

Publication
EP 1744900 B1 20160720 (DE)

Application
EP 05739976 A 20050429

Priority

- EP 2005004667 W 20050429
- DE 102004021246 A 20040430
- DE 102004039355 A 20040812
- DE 102004053007 A 20041029

Abstract (en)
[origin: WO2005108108A2] The invention relates to a material to be transferred to a target substrate and methods for producing such transfer material. According to one inventive method, a plastic support film (32) is provided, an effect layer (34) is applied to the support film (32), and an auxiliary transfer layer (36) is applied to the entire surface of the effect layer (34) and the support film (32), the adhesion of the auxiliary transfer layer (36) to the support film (32) being less than the adhesion thereof to the effect layer (34). An adhesive layer (38) is then applied to the target substrate (35) to transfer the formed layer compound.

IPC 8 full level
B32B 7/06 (2006.01); **B42D 15/00** (2006.01); **B42D 25/29** (2014.01)

CPC (source: EP US)
B42D 25/29 (2014.10 - EP US); **B42D 25/364** (2014.10 - US); **B42D 25/373** (2014.10 - US); **B42D 25/45** (2014.10 - US);
B42D 25/47 (2014.10 - EP); **B42D 2033/26** (2022.01 - EP)

Citation (opposition)
Opponent : Hueck Folien Gesellschaft m.b.H.

- EP 0461475 A1 19911218 - KURZ LEONHARD FA [DE]
- EP 1327895 A1 20030716 - NHK SPRING CO LTD [JP]
- WO 02071345 A2 20020912 - WHD ELEKTRON PRUEFTECH GMBH [DE], et al
- WO 03082598 A2 20031009 - RUE DE INT LTD [GB], et al
- WO 2004032099 A1 20040415 - OSAKA SEALING LABEL PRINT [JP], et al
- US 2003031845 A1 20030213 - UMEYA MASANORI [JP], et al
- US 2003189684 A1 20031009 - KUNTZ MATTHIAS [DE], et al
- US 6570648 B1 20030527 - MUELLER-REES CHRISTOPH [DE], et al
- US 6602578 B1 20030805 - TOMPKIN WAYNE ROBERT [CH], et al
- EP 0435029 A2 19910703 - GAO GES AUTOMATION ORG [DE]
- EP 1584647 A1 20051012 - HUECK FOLIEN GMBH [AT]
- EP 1310381 A2 20030514 - HUECK FOLIEN GMBH [AT]
- WO 2005071497 A1 20050804 - EZRA DAVID [GB]
- WO 03061980 A1 20030731 - RUE DE INT LTD [GB], et al

Cited by
EP3825139B1

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 MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005108108 A2 20051117; WO 2005108108 A3 20060406; WO 2005108108 A8 20060105; EP 1744900 A2 20070124;
EP 1744900 B1 20160720; EP 2123471 A1 20091125; EP 2123471 B1 20150708; EP 2287011 A2 20110223; EP 2287011 A3 20160413;
EP 2287011 B1 20170628; US 2007211238 A1 20070913

DOCDB simple family (application)
EP 2005004667 W 20050429; EP 05739976 A 20050429; EP 09004830 A 20050429; EP 10014129 A 20050429; US 56838805 A 20050429