

Title (en)

MULTILAYER BODY WITH A LAYER HAVING AT LEAST ONE LASER-SENSITIVE MATERIAL

Title (de)

MEHRSCHEIDEN RPER MIT MINDESTENS EINER LASERSENSITIVES MATERIALE AUFWEISENDEN SCHICHT

Title (fr)

CORPS MULTICOUCHE COMPRENANT AU MOINS UNE COUCHE PRESENTANT UN MATERIAU SENSIBLE AU LASER

Publication

EP 1509404 A1 20050302 (DE)

Application

EP 02742735 A 20020508

Priority

DE 0201676 W 20020508

Abstract (en)

[origin: WO03095225A1] The invention relates to a multilayer body, involving a paper document having a hot stamp foil stamped thereon. Said hot stamp foil has a laser-sensitive layer in which a laser-induced color image (10y) has been placed by laser treatment. Other safety marks such as a safety print (81d) in the form of a guilloche, fluorescent threads (81f) and safety strips (41s) are arranged on the document. Watermarks (81w) are also configured in the paper document.

IPC 1-7

B42D 15/10; B41M 3/14; B41M 5/26; G03C 5/08

IPC 8 full level

B41M 5/26 (2006.01); **B32B 7/02** (2006.01); **B41M 3/14** (2006.01); **B42D 15/00** (2006.01); **B42D 15/10** (2006.01); **G03C 5/08** (2006.01)

CPC (source: EP US)

B41M 3/14 (2013.01 - EP US); **B42D 25/00** (2014.10 - EP US); **B42D 25/29** (2014.10 - EP US); **B42D 25/333** (2014.10 - US);
B42D 25/435 (2014.10 - US); **B42D 25/45** (2014.10 - US); **Y10T 428/1467** (2015.01 - EP US); **Y10T 428/25** (2015.01 - EP US);
Y10T 428/253 (2015.01 - EP US); **Y10T 428/254** (2015.01 - EP US); **Y10T 428/256** (2015.01 - EP US)

Citation (search report)

See references of WO 03095225A1

Cited by

US9694618B2; US10391807B2; EP2209653B2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

WO 03095225 A1 20031120; AT E370845 T1 20070915; AU 2002344932 A1 20031111; AU 2002344932 A8 20031111;
CN 100406275 C 20080730; CN 1649748 A 20050803; DE 10297780 D2 20050512; DE 50210783 D1 20071004; EP 1509404 A1 20050302;
EP 1509404 B1 20070822; ES 2292773 T3 20080316; JP 2005529003 A 20050929; JP 4411394 B2 20100210; US 2005181498 A1 20050818;
US 7220479 B2 20070522

DOCDB simple family (application)

DE 0201676 W 20020508; AT 02742735 T 20020508; AU 2002344932 A 20020508; CN 02829280 A 20020508; DE 10297780 T 20020508;
DE 50210783 T 20020508; EP 02742735 A 20020508; ES 02742735 T 20020508; JP 2004503279 A 20020508; US 51362305 A 20050216