Title (en)
DATA CARRIER WITH SECURITY ELEMENT AND METHOD FOR THE PRODUCTION THEREOF

Title (de)
DATENTRÄGER MIT SICHERHEITSELEMENT UND VERFAHREN ZU SEINER HERSTELLUNG

Title (fr)
SUPPORT DE DONNEES A ELEMENT DE SECURITE, ET SON PROCEDE DE PRODUCTION

Publication
EP 1776674 B1 20150318 (DE)

Application
EP 05763045 A 20050728

Priority
• EP 2005008217 W 20050728
• DE 102004038542 A 20040806

Abstract (en)
[origin: WO2006015733A1] The invention relates to a data carrier, in particular a value document such as a banknote, identity card and the like comprising a security element (20) provided with a printed image (22) and a laser marking (24) at least partially overlapping said printed image (22). Said invention is characterised in that the security element (20) comprises a laser modification area (26) which at least partially overlaps the printed image (22), is registered for the laser marking (24) and the visual appearance of the printed image (22) is modified under effect of a laser beam in the area (28) of said laser modification area (26) overlapping the printed image (22).

IPC 8 full level
B41M 3/14 (2006.01); B41J 2/44 (2006.01); B41J 2/47 (2006.01); B41M 1/06 (2006.01); B41M 1/10 (2006.01); B41M 1/12 (2006.01); B41M 5/26 (2006.01); B42D 15/00 (2006.01)

CPC (source: EP US)
B41J 2/442 (2013.01 - EP US); B41J 2/471 (2013.01 - EP US); B41M 3/14 (2013.01 - EP US); B42D 25/29 (2014.10 - EP US); B42D 25/41 (2014.10 - EP US); B41M 1/06 (2013.01 - EP US); B41M 1/10 (2013.01 - EP US); B41M 1/12 (2013.01 - EP US); B41M 5/26 (2013.01 - EP US)

Citation (examination)
US 6633321 B1 20031014 - MAURER THOMAS [DE]

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 NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102004038542 A1 20060223; CA 2573414 A1 20060216; CN 1993714 A 20070704; CN 1993714 B 20121121; EP 1776674 A1 20070425; EP 1776674 B1 20150318; PL 1776674 T3 20150831; RU 2007107481 A 20080920; RU 2384884 C2 20100320; US 2007274559 A1 20071129; US 8251404 B2 20120828; WO 2006015733 A1 20060216

DOCDB simple family (application)
DE 102004038542 A 20040806; CA 2573414 A 20050728; CN 200580025791 A 20050728; EP 05763045 A 20050728; EP 2005008217 W 20050728; PL 05763045 T 20050728; RU 2007107481 A 20050728; US 57306005 A 20050728