

Title (en)
DATA CARRIER HAVING A PERFORATED PORTION

Title (de)
DATENTRÄGER MIT DURCHBRECHUNGSBEREICH

Title (fr)
SUPPORT DE DONNÉES À ZONE D'OUVERTURE

Publication
EP 3322595 B2 20230927 (DE)

Application
EP 16738673 A 20160713

Priority

- DE 102015009164 A 20150714
- EP 2016001208 W 20160713

Abstract (en)
[origin: WO2017008905A2] The invention relates to a data carrier, in particular a document of value or a security paper, comprising a data carrier substrate having a perforated portion and a front face and a rear face, wherein: the front face of the data carrier substrate is provided with a film security element in the perforated portion; the perforated portion of the data carrier substrate is formed by a plurality of cut-outs extending through the data carrier substrate which together form a perforated portion motif, said perforated portion motif not being visible when the front face of the data carrier is viewed under reflected light and being covered by the film security element, and being visible through the film security element when the front face of the data carrier is viewed under transmitted light; and the film security element shows a first appearance when the front face of the data carrier is viewed under reflected light, and shows a second appearance when the front face of the data carrier is viewed under transmitted light, said second appearance complementing the perforated portion motif of the data carrier substrate.

IPC 8 full level
B42D 25/351 (2014.01); **B42D 25/346** (2014.01)

CPC (source: EP)
B42D 25/346 (2014.10); **B42D 25/351** (2014.10)

Citation (opposition)
Opponent :

- EP 1997643 A2 20081203 - OVD KINEGRAM AG [CH]
- DE 102010053052 A1 20120606 - GIESECKE & DEVRIENT GMBH [DE]
- WO 2010072329 A1 20100701 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 2005106118 A1 20051110 - RUE DE INT LTD [GB], et al
- WO 2006021102 A1 20060302 - ORELL FUESSLI SICHERHEITSDRUCK [CH], et al
- WO 9718092 A1 19970522 - ORELL FUESSLI BANKNOTE ENGINEER [CH], et al
- WO 2011154112 A1 20111215 - GIESECKE & DEVRIENT GMBH [DE], et al
- EP 2439074 A2 20120411 - GIESECKE & DEVRIENT GMBH [DE]
- WO 03095227 A1 20031120 - KURZ LEONHARD FA [DE], et al
- WO 2011082761 A1 20110714 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 2009149831 A2 20091217 - GIESECKE & DEVRIENT GMBH [DE], et al
- DE 102009048145 A1 20110407 - GIESECKE & DEVRIENT GMBH [DE]
- WO 03061980 A1 20030731 - RUE DE INT LTD [GB], et al
- DE 102012014294 A1 20140123 - GIESECKE & DEVRIENT GMBH [DE]
- WO 2005025891 A2 20050324 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 9510420 A1 19950420 - KURZ LEONHARD FA [DE], et al
- WO 2005095118 A2 20051013 - KURZ LEONHARD FA [DE], et al
- WO 03054297 A2 20030703 - GIESECKE & DEVRIENT GMBH [DE], et al
- WO 2004024464 A1 20040325 - KBA GIORI SA [CH], et al
- Van Renesse, Rudolf L., 'Optical Document Security' Artech House Boston London. 1997

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2017008905 A2 20170119; WO 2017008905 A3 20170406; CN 107835751 A 20180323; CN 107835751 B 20191011;
DE 102015009164 A1 20170119; EP 3322595 A2 20180523; EP 3322595 B1 20190911; EP 3322595 B2 20230927; ES 2755756 T3 20200423;
ES 2755756 T5 20240326

DOCDB simple family (application)
EP 2016001208 W 20160713; CN 201680040985 A 20160713; DE 102015009164 A 20150714; EP 16738673 A 20160713;
ES 16738673 T 20160713