

Title (en)
Data sheet

Title (de)
Datenblatt

Title (fr)
Feuille de données

Publication
EP 1245407 B2 20130821 (EN)

Application
EP 02100306 A 20020327

Priority
FI 20010666 A 20010330

Abstract (en)
[origin: EP1245407A2] The invention relates to a layer-structured and flexible data sheet (2) in a security document comprising: a laser inscription layer (4) made of plastic material, on which at least some of the data of the data sheet can be printed utilizing laser inscription technique. In order to improve the bending endurance of the data sheet, a flexible back layer (5) that endures bending is attached to the laser inscription layer (4) by means of a laminate layer (6). <IMAGE>

IPC 8 full level
B42D 15/10 (2006.01)

CPC (source: EP US)
B42D 25/00 (2014.10 - EP); **B42D 25/41** (2014.10 - EP); **B42D 25/435** (2014.10 - US); **B42D 25/465** (2014.10 - US); **B42D 25/24** (2014.10 - EP);
B42D 2033/30 (2022.01 - EP)

Citation (opposition)

Opponent :

- EP 0384252 A2 19900829 - BAYER AG [DE]
- US 4032691 A 19770628 - KIDO KEISHIRO, et al
- WO 9954148 A1 19991028 - MOBIL OIL CORP [US]
- DE 3425263 A1 19850131 - UNIV SCHILLER JENA [DD]
- US 5618630 A 19970408 - BENOIT GORDON L [US], et al
- EP 0190997 A2 19860813 - CIBA GEIGY AG [CH]
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- EP 0430282 A2 19910605 - GAO GES AUTOMATION ORG [DE]
- "Polycarbonate", WIKIPEDIA
- "Polyethylene", WIKIPEDIA
- "Polypropylene", WIKIPEDIA

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DE10343389A1; EP1516749A3; EP1780043A1; US7040981B2; CN100425461C; EP1574359A3; US8926779B2; US8517427B2; US8317232B2;
WO2008006942A1; WO2004110780A1; WO2006054072A1; WO2005028209A3; WO2005028210A3; EP2116390A2; WO2017013311A1;
US10688821B2; WO2006053738A2; US7758079B2; EP2287012A1; JP2009513398A; WO2013191762A1; US9033370B2; US9340059B2;
US10406845B2; FR3127439A1; WO2023052689A1; EP1502765B2

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

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AL LT LV MK RO SI

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EP 1245407 A2 20021002; EP 1245407 A3 20040102; EP 1245407 B1 20060426; EP 1245407 B2 20130821; AT E324271 T1 20060515;
DE 60210853 D1 20060601; DE 60210853 T2 20061026; DE 60210853 T3 20140206; ES 2263738 T3 20061216; ES 2263738 T5 20131226;
ES 2263738 T9 20140128; FI 114148 B 20040831; FI 20010666 A 20021001; PT 1245407 E 20060731; SI 1245407 T1 20061031;
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PT 02100306 T 20020327; SI 200230359 T 20020327