

Title (en)  
SECURITY ELEMENT AND PRINTING METHOD

Title (de)  
SICHERHEITSELEMENT UND DRUCKVERFAHREN

Title (fr)  
ELEMENT DE SECURITE ET PROCEDE D' IMPRESSION

Publication  
**EP 1597083 A2 20051123 (FR)**

Application  
**EP 04708413 A 20040205**

Priority

- IB 2004000399 W 20040205
- EP 03003332 A 20030213
- EP 04708413 A 20040205

Abstract (en)  
[origin: EP1447235A1] The unit has a base with geometrical units (2-8), which are juxtaposed and each of them is formed with a set of lines. The lines of the units (2, 4, 6, 8) have angles different from that of the lines of neighboring units (3, 5, 7). The lines of one part of the geometrical units are printed with a classic ink and the lines of another part of geometrical units are printed with an ink having metallic characteristics. An independent claim is also included for a printing process of a security element.

IPC 1-7  
**B41M 3/14**

IPC 8 full level  
**B41M 3/14** (2006.01); **B44F 1/00** (2006.01); **B44F 1/08** (2006.01); **B44F 1/12** (2006.01)

IPC 8 main group level  
**B41M** (2006.01)

CPC (source: EP US)  
**B41M 3/14** (2013.01 - EP US); **B42D 25/23** (2014.10 - US); **B42D 25/24** (2014.10 - US); **B42D 25/29** (2014.10 - EP US); **B42D 25/405** (2014.10 - US); **B42D 25/485** (2014.10 - US); **B44F 1/08** (2013.01 - EP US); **B42D 2033/20** (2022.01 - EP); **B42D 2035/16** (2022.01 - EP); **B42D 2035/24** (2022.01 - EP)

Citation (search report)  
See references of WO 2004071779A2

Cited by  
DE102012017398A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1447235 A1 20040818**; AT E488376 T1 20101215; CN 100371177 C 20080227; CN 1750938 A 20060322; DE 602004030096 D1 20101230; EP 1597083 A2 20051123; EP 1597083 B1 20101117; US 2008134920 A1 20080612; WO 2004071779 A2 20040826; WO 2004071779 A3 20041104

DOCDB simple family (application)  
**EP 03003332 A 20030213**; AT 04708413 T 20040205; CN 200480004179 A 20040205; DE 602004030096 T 20040205; EP 04708413 A 20040205; IB 2004000399 W 20040205; US 54398804 A 20040205