

Title (en)  
SECURITY PAPER

Publication  
**EP 0146151 B1 19880615 (FR)**

Application  
**EP 84201359 A 19840924**

Priority  
CH 614983 A 19831116

Abstract (en)  
[origin: US4588212A] The document of value is provided with a safety design extending on one portion or the whole of its surface. The entire surface of the safety design consists of juxtaposed groups of segments of raised parallel lines of two different heights forming high reliefs and low reliefs portions. The segments of two adjacent groups are parallel to two predetermined directions, preferably substantially perpendicular. The assembly of segments parallel to one of the directions and consisting of high reliefs on the whole or part of their length define a transitory image visible when the document is illuminated or observed parallel to a direction perpendicular to said segments and forming an acute angle with the plane of the document of value. A second transitory image is formed in a similar manner by high relief segments parallel to the other direction. The low raised segments or segment fractions constitute the background of the safety design. All the raised segments and the gaps left between the segments have preferably the same color.

IPC 1-7  
**B42D 15/02**; **B41M 3/14**; **G03C 5/08**

IPC 8 full level  
**B41M 3/14** (2006.01); **B42D 15/00** (2006.01); **B42D 15/02** (2006.01); **B42D 15/10** (2006.01); **B44F 1/12** (2006.01); **G03C 5/08** (2006.01); **G07D 7/00** (2006.01)

CPC (source: EP US)  
**B41M 3/148** (2013.01 - EP US); **B42D 25/00** (2014.10 - EP US); **B42D 25/29** (2014.10 - EP US); **B42D 25/324** (2014.10 - EP US); **G03C 5/08** (2013.01 - EP US); **G07D 7/12** (2013.01 - EP US); **B42D 2033/24** (2022.01 - EP); **B42D 2035/02** (2022.01 - EP); **B42D 2035/16** (2022.01 - EP); **B42D 2035/20** (2022.01 - EP); **Y10S 428/916** (2013.01 - EP US); **Y10T 428/231** (2015.01 - EP US); **Y10T 428/24479** (2015.01 - EP US)

Cited by  
DE19845436C5; AU729168B2; FR2711945A1; GB2177975B; EP0375833A1; RU2735047C2; EP0513195A4; NL2016724B1; CN109477914A; US7104193B2; US6296281B1; WO2010089703A2; WO9948697A1; WO9807581A1; WO2013045056A1; WO9847715A1; WO2017191157A1; EP3251825A1; WO2017208092A1; US11554570B2; EP1268213B2; EP1117537B2; EP1272352B2; EP1119457B2

Designated contracting state (EPC)  
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DOCDB simple family (application)  
**EP 84201359 A 19840924**; AT 84201359 T 19840924; AU 3249584 A 19840829; BE 214584 A 19850228; CA 463329 A 19840917; CH 614983 A 19831116; DD 26942484 A 19841113; DE 3472079 T 19840924; JP 18288284 A 19840903; NL 8501369 A 19850513; US 64526884 A 19840829