

Title (en)
INTERLAMINAR STRUCTURE FOR SECURITY ELEMENT

Title (de)
SCHICHTVERBUND FÜR SICHERHEITSELEMENT

Title (fr)
COMPOSITE MULTICOUCHE POUR ELEMENT DE SECURITE

Publication
EP 1515857 A2 20050323 (DE)

Application
EP 03759917 A 20030606

Priority
• DE 10226177 A 20020612
• EP 0305981 W 20030606

Abstract (en)
[origin: US2006145467A1] A multilayer security element with at least two security features exactly disposed to each other is produced by the security features being present on separate carrier foils (100, 200) and the carrier foils being laminated with each other in such a way that the security features in the layer compound are disposed to each other in register. As to achieve an exact register of the security features, each carrier foil has register marks, with the help of which the foils are controlled relative to each other. The controlling is effected by stretching that carrier foil, the security features of which are running behind relative to the security features of the respective other carrier foil.

IPC 1-7
B42D 15/00

IPC 8 full level
B42D 15/00 (2006.01); **B44F 1/12** (2006.01)

CPC (source: EP US)
B42D 25/355 (2014.10 - EP US); **B42D 25/47** (2014.10 - EP US); **Y10S 428/916** (2013.01 - EP US); **Y10T 428/24802** (2015.01 - EP US); **Y10T 428/24917** (2015.01 - EP US)

Citation (search report)
See references of WO 03106185A2

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)
US 2006145467 A1 20060706; US 7744797 B2 20100629; AT E427222 T1 20090415; AU 2003242644 A1 20031231;
AU 2003242644 A8 20031231; DE 10226177 A1 20031224; DE 50311372 D1 20090514; EP 1515857 A2 20050323; EP 1515857 B1 20090401;
RU 2005100759 A 20060610; RU 2331523 C2 20080820; WO 03106185 A2 20031224; WO 03106185 A3 20040603

DOCDB simple family (application)
US 51749206 A 20060109; AT 03759917 T 20030606; AU 2003242644 A 20030606; DE 10226177 A 20020612; DE 50311372 T 20030606;
EP 0305981 W 20030606; EP 03759917 A 20030606; RU 2005100759 A 20030606