

Title (en)
Transparent security feature

Title (de)
Transparentes Sicherheitsmerkmal

Title (fr)
Caractéristique de sécurité transparente

Publication
EP 2196321 A3 20110629 (DE)

Application
EP 09014878 A 20091201

Priority
AT 19262008 A 20081211

Abstract (en)
[origin: EP2196321A2] The element has a polymeric spacer layer, a layer formed of metallic clusters, and a transparent layer with high refractive index. The refractive index of the transparent layer is higher than refractive index of the polymeric spacer layer. The transparent layer includes metal oxide or metal sulfide, which is applied in a vacuum evaporation process. A single or double-sided adhesive coating is provided in the element, or the element is laminated against a supporting film. The polymeric spacer layer includes fluorescent dye.

IPC 8 full level
B42D 15/00 (2006.01)

CPC (source: EP US)
B42D 25/29 (2014.10 - EP); **B42D 25/351** (2014.10 - US); **B42D 25/373** (2014.10 - US); **B42D 25/378** (2014.10 - US); **B42D 25/47** (2014.10 - US); **B42D 2035/24** (2022.01 - EP)

Citation (search report)

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- [Y] WO 2006002756 A2 20060112 - GIESECKE & DEVRIENT GMBH [DE], et al
- [I] WO 2005015271 A2 20050217 - GIESECKE & DEVRIENT GMBH [DE], et al
- [A] WO 0200445 A1 20020103 - RUE DE INT LTD [GB], et al
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Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
EP 2196321 A2 20100616; EP 2196321 A3 20110629; EP 2196321 B1 20130814; AT 507647 A1 20100615; AT 507647 B1 20110615

DOCDB simple family (application)
EP 09014878 A 20091201; AT 19262008 A 20081211