

Title (en)  
Method for the manufacture of a safety marker

Title (de)  
Verfahren zur Herstellung eines Sicherheitsmerkmals

Title (fr)  
Procédé de fabrication d'une marque de sécurité

Publication  
**EP 2251207 B1 20211201 (DE)**

Application  
**EP 09006340 A 20090511**

Priority  
EP 09006340 A 20090511

Abstract (en)  
[origin: EP2251207A1] The marker has a carrier substrate (1) deposited on two partial layers (3, 4), where the layers have different colors or color impressions and include partial transparent recesses. The layers are absolutely identical to each other applied without tolerances. The layers have different thicknesses and stoichiometries, where the marker includes diffractive layers, liquid crystal layers, colored layers and luminescent layers with electrically conductive and magnetic characteristics. The layers are made of aluminum, copper, silver, iron, gold, chromium, nickel, zinc, cadmium, bismuth, tin, titanium dioxide, chromium oxides, zinc sulfide, indium tin oxide, bismuth-oxide, antimony tin oxide, fluorinated tin oxide, zinc oxide, aluminum oxide, non-stoichiometric aluminum oxide, zinc chromate, iron oxides, copper oxides, non-stoichiometric copper oxide, silver oxides, copper-aluminum alloys, copper-zinc alloys, iron alloys, steel, malachite or Azurite. An independent claim is also included for a method for preparing a safety marker.

IPC 8 full level  
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CPC (source: EP US)  
**B42D 25/355** (2014.10 - EP US); **B42D 25/405** (2014.10 - US); **B42D 25/43** (2014.10 - EP); **D21H 21/42** (2013.01 - EP);  
**B42D 2033/10** (2022.01 - EP); **B42D 2035/24** (2022.01 - EP)

Citation (examination)  
• WO 2004087437 A1 20041014 - LANDQART [CH], et al  
• EP 0490825 A1 19920617 - ZUERCHER PAPIERFABRIK AN DER S [CH]

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 TR

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**EP 2251207 A1 20101117; EP 2251207 B1 20211201**; WO 2010130301 A1 20101118

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**EP 09006340 A 20090511**; EP 2010000818 W 20100210