

Title (en)  
SEE-THROUGH SECURITY ELEMENT WITH MICROSTRUCTURES

Title (de)  
DURCHSICHTSSICHERHEITSELEMENT MIT MIKROSTRUKTUREN

Title (fr)  
ÉLÉMENT DE SÉCURITÉ TRANSPARENT DOTÉ DE MICROSTRUCTURES

Publication  
**EP 2091756 A2 20090826 (DE)**

Application  
**EP 07819023 A 20071016**

Priority

- EP 2007008953 W 20071016
- DE 102006050047 A 20061024

Abstract (en)  
[origin: DE102006050047A1] The transparent security element (12) has a microstructure having a visual appearance (26,28) that is dependent on the viewing angle upon inspection. The microstructure is formed from an arrangement of multiple structure elements having a characteristic structure spacing of 1 micro meters or more. The transparent security element has a total thickness of 50 micrometers or less. The transparent security element has a transparent or translucent substrate (20) and a marking layer applied on the substrate, which has the micro structure. An independent claim is also included for a method for manufacturing the transparent security element.

IPC 8 full level  
**B42D 15/00** (2006.01)

CPC (source: EP US)  
**B42D 25/21** (2014.10 - US); **B42D 25/29** (2014.10 - EP US); **B42D 25/351** (2014.10 - US); **B42D 2033/24** (2022.01 - EP); **Y10T 156/10** (2015.01 - EP US)

Citation (search report)  
See references of WO 2008049533A2

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