

Title (en)  
SECURITY DEVICES AND METHODS OF MANUFACTURE THEREOF

Title (de)  
SICHERHEITSVORRICHTUNGEN UND VERFAHREN ZUR HERSTELLUNG DAVON

Title (fr)  
DISPOSITIFS DE SÉCURITÉ ET LEURS PROCÉDÉS DE FABRICATION

Publication  
**EP 4284655 A1 20231206 (EN)**

Application  
**EP 22703953 A 20220128**

Priority  
• GB 202101267 A 20210129  
• GB 2022050231 W 20220128

Abstract (en)  
[origin: WO2022162380A1] A security device comprising: a substrate (107) having an array of focusing features (101) such as lenses disposed on the substrate and arranged periodically, and a structure of a colour which comprises: an active zone (113) overlapping the array of focusing features and disposed in the focal plane thereof, the active zone having a periphery which defines an image, within which image extends an array of image elements (105) spaced from one another, wherein the pitch between the image elements is equal to the pitch between the focusing features. When the viewing angle varies, the tone of the image varies between a minimum tone and a maximum tone. The structure comprises a static zone (111) laterally adjacent the active zone and having a uniform tone that appears to the naked eye the same as the tone of the image at one of the maximum tone and the minimum tone.

IPC 8 full level  
**B42D 25/324** (2014.01); **B42D 25/328** (2014.01); **B42D 25/351** (2014.01); **B42D 25/373** (2014.01); **B42D 25/41** (2014.01)

CPC (source: EP GB)  
**B41M 3/14** (2013.01 - GB); **B42D 25/30** (2014.10 - GB); **B42D 25/324** (2014.10 - EP); **B42D 25/328** (2014.10 - EP); **B42D 25/351** (2014.10 - EP); **B42D 25/373** (2014.10 - EP); **B42D 25/40** (2014.10 - GB); **B42D 25/41** (2014.10 - EP)

Citation (search report)  
See references of WO 2022162380A1

Designated contracting state (EPC)  
AL 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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

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