

Title (en)

SECURITY ELEMENT FOR AN ARTICLE TO BE PROTECTED AND ARTICLE TO BE PROTECTED WITH SUCH A SECURITY ELEMENT

Title (de)

SICHERHEITSELEMENT FÜR EINEN ZU SCHÜTZENDEN GEGENSTAND SOWIE ZU SCHÜTZENDER GEGENSTAND MIT EINEM SOLCHEN SICHERHEITSELEMENT

Title (fr)

ELEMENT DE SECURITE POUR UN OBJET A PROTEGER, AINSI QU'OBJET A PROTEGER DOTE D'UN TEL ELEMENT DE SECURITE

Publication

EP 2459387 B1 20140101 (DE)

Application

EP 10740567 A 20100715

Priority

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Abstract (en)

[origin: WO2011012460A2] The invention relates to a security element for an article (2, 37) to be protected, having an upper face (13) and a lower face (15), one or more imaging optical arrangements, which all image a respective associated object to a magnified scale only in front of the upper face (13), wherein the one optical arrangement or at least one of the optical arrangements comprises a plurality of reflective micro-imaging elements (8) arranged two-dimensionally in a first pattern, and the associated object is in the form of a microstructure object having a plurality of microstructures (6), which are arranged in a microstructure pattern so matched to the first pattern that the microstructure object is imaged to a magnified scale in front of the upper face (13) by means of the reflective micro-imaging elements. On both its upper face (13) and its lower face (15) the security element (1) has an adhesive layer (14, 16), with which the security element (1) can be embedded in the article (2, 37) to be protected such that both the upper face (13) and the lower face (15) are adhesively secured to the article (2, 37) to be protected.

IPC 8 full level

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