

Title (en)  
FLAT SECURITY ELEMENT WITH OPTICAL SECURITY FEATURES

Title (de)  
FLÄCHIGES SICHERHEITSELEMENT MIT OPTISCHEN SICHERHEITSMERKMALEN

Title (fr)  
ÉLÉMENT DE SÉCURITÉ PLAT AYANT DES CARACTÉRISTIQUES DE SÉCURITÉ OPTIQUES

Publication  
**EP 3954544 A1 20220216 (DE)**

Application  
**EP 20191070 A 20200814**

Priority  
EP 20191070 A 20200814

Abstract (en)  
[origin: WO2022034193A1] The invention relates to a starting material for a value document (1), comprising a security element (2) in the form of a strip for use as security threads in value documents (1), such as banknotes. The security element (2) has a first degree of reflection for visible light on a first surface. In order to make the security threads in the bridge region of the value document (1) less readily detectable under incident light, a first surface of the security element (2) is provided with a cover layer (11) in at least one first longitudinal section, said cover layer having a second degree of reflection which is greater than the first degree of reflection of the first surface, while the first surface is not provided with such a cover layer (11) in at least one second longitudinal section, and at least one first longitudinal section of the security element (2) which is not provided with a cover layer (11) is covered by a section of the starting material at least in some regions while at least a second longitudinal section of the security element (2) which is not provided with a cover layer (11) is not covered by a section of the starting material or such a second longitudinal section is only covered by another section of the starting material with a smaller thickness than the section of the starting material which covers at least one first longitudinal section of the security element provided with a cover layer (11).

Abstract (de)  
Die Erfindung betrifft ein Sicherheitselement (2) in Form eines Streifens zur Verwendung als Sicherheitsfaden in Wertdokumenten (1), wie Banknoten, wobei das Sicherheitselement (2) auf einer ersten Oberfläche einen ersten Reflexionsgrad für sichtbares Licht aufweist. Damit der Sicherheitsfaden im Brückenbereich des Wertdokuments (1) im Auflicht weniger stark erkennbar ist, ist vorgesehen, dass eine erste Oberfläche des Sicherheitselements (2) in zumindest einem ersten Längsabschnitt mit einer Abdeckschicht (11) versehen ist, welche einen zweiten Reflexionsgrad aufweist, der größer ist als der erste Reflexionsgrad der ersten Oberfläche, während die erste Oberfläche in zumindest einem zweiten Längsabschnitt nicht mit einer solchen Abdeckschicht (11) versehen ist.

IPC 8 full level  
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CPC (source: EP)  
**B42D 25/355** (2014.10); **B42D 25/373** (2014.10); **B42D 25/378** (2014.10)

Citation (search report)

- [X] WO 2004049353 A2 20040610 - GIESECKE & DEVRIENT GMBH [DE], et al
- [X] EP 2420391 A2 20120222 - HUECK FOLIEN GMBH [AT]
- [X] EP 0330733 A1 19890906 - GAO GES AUTOMATION ORG [DE]
- [X] EP 1550562 A2 20050706 - HUECK FOLIEN GMBH [AT]
- [X] EP 0659936 A2 19950628 - GIESECKE & DEVRIENT GMBH [DE]
- [X] GB 2323814 A 19981007 - PORTALS LTD [GB], et al

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