

Title (en)

Security elements in the form of threads or strips to be embedded in security documents, and method of producing and testing same.

Title (de)

Sicherheitselement in Form von Fäden oder Bänder zur Einbettung in Sicherheitsdokumente sowie Verfahren zur Herstellung und Prüfung derselben.

Title (fr)

Élément de sécurité en forme de fibres ou de bandes à noyer dans un document de sécurité de même que sa méthode d'assemblage et son contrôle.

Publication

EP 0374763 B1 19940601 (DE)

Application

EP 89123254 A 19891215

Priority

DE 3843077 A 19881221

Abstract (en)

[origin: EP0374763A2] A security element which can be embedded in a security document, in particular a commercial paper, in the form of a thread or strip is composed of two carrier foils, each of these carrier foils carrying each of the marking substances serving for detecting the authenticity. The two carrier foils are composed in such a way that the marking substances, which are to be protected from mechanical abrasion and other external influences, come to rest on the inside. The thread offers not only a special protection for the marking substances, but, due to its symmetrical construction, it can also be embedded in the paper substance easily and without showing a tendency to roll. <IMAGE>

IPC 1-7

B42D 15/00

IPC 8 full level

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CPC (source: EP US)

B42D 25/355 (2014.10 - EP US); **D21H 21/48** (2013.01 - EP US); **G07D 7/026** (2013.01 - EP US); **G07D 7/20** (2013.01 - EP US); **Y10S 428/90** (2013.01 - EP US); **Y10S 428/916** (2013.01 - EP US); **Y10T 428/24876** (2015.01 - EP US); **Y10T 428/24917** (2015.01 - EP US); **Y10T 428/256** (2015.01 - EP US); **Y10T 428/31678** (2015.04 - EP US); **Y10T 428/31681** (2015.04 - EP US)

Cited by

US5393099A; DE102010035889A1; DE102010035889B4; US7037606B2; US8919820B2; WO9967092A1; WO03002355A1; WO9967093A1; WO03091042A3; EP1101203B2

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