

Title (en)

Photoluminescent fibre, security paper and other security articles

Title (de)

Photolumineszierende Faser, Sicherheitspapier und andere Sicherheitsartikel

Title (fr)

Fibre photoluminescente, papier fiduciaire et d'autres articles de sécurité

Publication

EP 1479797 A1 20041124 (EN)

Application

EP 03405361 A 20030522

Priority

EP 03405361 A 20030522

Abstract (en)

A photoluminescent fibre (12) for the incorporation into a security document (4) is proposed, which is characterised in an anisotropic cross-section (9). A particularly pronounced and well observable effect when embedding such security element in a paper or paper-like structure can be achieved due to the anisotropy of the cross-section (9) since such a photoluminescent fibre (12) surprisingly shows the tendency to remain at the surface of a paper and to a line with a long principle axis (11) substantially parallel to the surface (6) of the corresponding document. This is particularly useful and effective if the photoluminescent fibre (12) shows linearly polarised absorption and/or linearly polarised photoluminescence. <IMAGE>

IPC 1-7

D01D 5/253; D06P 1/00; D21H 21/48; D21H 15/02

IPC 8 full level

D01D 5/253 (2006.01); **D01F 2/00** (2006.01); **D01F 6/06** (2006.01); **D06P 1/00** (2006.01); **D21H 15/02** (2006.01); **D21H 21/48** (2006.01)

CPC (source: EP)

D01D 5/253 (2013.01); **D01F 2/00** (2013.01); **D01F 6/06** (2013.01); **D06P 1/0012** (2013.01); **D21H 15/02** (2013.01); **D21H 21/48** (2013.01)

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