

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 SECURITE

Publication  
**EP 1631705 B1 20101013 (EN)**

Application  
**EP 04732265 A 20040512**

Priority  
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Abstract (en)  
[origin: EP1479797A1] 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 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)

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