

Title (en)
Security paper and process for making the same.

Title (de)
Wertpapier und Verfahren zu seiner Herstellung.

Title (fr)
Papier fiduciaire et son procédé de fabrication.

Publication
EP 0486065 B1 19950712 (DE)

Application
EP 91119567 A 19911115

Priority
DE 4036637 A 19901116

Abstract (en)
[origin: EP0486065A1] The invention relates to a security document having an integral security element, preferably an optically variable element in the form of hologram, diffraction or interference structures applied to the paper surface, and to a process for making such a security document. The security document is characterised in that the optically variable element is embedded in the security document, the paper surface forming one plane with the surface of the optically variable element.

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D21H 21/42; **D21H 23/24**

IPC 8 full level
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CPC (source: EP KR US)
B42D 25/355 (2014.10 - EP US); **D21H 21/42** (2013.01 - EP KR US)

Citation (examination)
• GB 2103669 A 19830223 - CRANE CO [US]
• J.P. Casey "Pulp and Paper; Chemistry and Chemical Technology" dritte Auflage, Band III, 1980, John Wiley & Sons, New York, Seiten 1667-1675.

Cited by
WO0194698A1; ES2064238A2; EP0624688A1; FR2705107A1; EP3299854A1; WO9413749A1; WO9414621A1; WO9966128A1; EP0492407B1; US7628887B2; US10350838B2; US10843419B2

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