Title (en)
A METHOD OF MANUFACTURING A FIBROUS SUBSTRATE INCORPORATING AN ELONGATE ELEMENT WITH A VARIABLE EDGE PROFILE

Title (de)
VERFAHREN ZUR HERSTELLUNG EINES FASERSTOFFSUBSTRATS MIT EINGEBETTETEM STREIFEN VARIABLER BREITE

Title (fr)
PROCEDE DE FABRICATION DE SUBSTRAT FIBREUX INCORPORANT UN ELEMENT EFFILE A PROFIL D'ARETE VARIABLE

Publication
EP 1567713 B1 20090415 (EN)

Application
EP 03780347 A 20031205

Priority
• GB 0305298 W 20031205
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Abstract (en)
[origin: GB2397582A] A method of manufacturing a fibrous substrate incorporating at least one elongate impermeable security element 13 with a tessellated edge profile comprises the steps of: bringing the elongate element 13 into contact with a moving support surface having window forming means [10,12 figure 1], e.g. an embossed forming wire of a cylinder mould; and depositing fibres onto a support surface such that the elongate element 13 is incorporated into the fibrous substrate with the element at least partially exposed in a surface of the substrate at windows formed by the window forming means. The elongate element 13 comprises a plurality of wide regions 15,16 separated by narrow regions 14, the wide regions being of a width which obstructs the deposition of fibres thereby forming windows 19 in an opposing surface of the substrate, the narrow regions being of a width to allow fibre deposition. The substrate may be used to form security papers or documents such as banknotes, passports, vouchers certificates, bonds, or the like.

IPC 8 full level
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CPC (source: EP KR)
D21F 1/44 (2013.01 - EP); **D21F 11/00** (2013.01 - KR); **D21F 11/06** (2013.01 - KR); **D21H 21/42** (2013.01 - EP KR)

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