

Title (en)

ANTI-FORGE MATERIAL DISTRIBUTED ANTI-FIBERS HAVING VISUAL CHARACTER

Title (de)

ANTIFÄLSCHUNGSMATERIAL MIT DARAUF VERTEILTEN ANTIFASERN MIT VISUELLER CHARAKTERISTIK

Title (fr)

ANTI-FIBRES RÉPARTIES SUR UN MATÉRIAU ANTI-CONTREFAÇON AYANT UN CARACTÈRE VISUEL

Publication

**EP 1793039 A4 20100324 (EN)**

Application

**EP 05791528 A 20050923**

Priority

- CN 2005001543 W 20050923
- CN 200410009603 A 20040924

Abstract (en)

[origin: EP1793039A1] An anti-forge material is disclosed. Anti-fibers (2) are distributed on the anti-forge material. Part surfaces (3) of the anti-forge fibers (2) are located on the surface (1) of the anti-forge material (1). Wherein said part surface (3) have concave-convex sheltering structure, and at least two color patterns (A, B) are distributed on the surfaces. Said at least two color patterns(A, B) have distinct visual difference on the said part surface (3), resulting that the color patterns(A, B) can be seen from the surface (1') of the anti-forge material respectively when observed from different angle. Due to the visual difference according to the present invention is formed by shielding the patterns distributed on the part surfaces(3) of the anti-forge fibers (2) in the anti-forge material with the concave-convex sheltering structure, the exact printing is unable to imitate the three-dimensional structure. Therefore the present invention is capable of preventing imitate of printing effectively.

IPC 8 full level

**B42D 15/00** (2006.01); **D21H 21/40** (2006.01); **D21H 21/42** (2006.01); **D21H 21/44** (2006.01); **D21H 21/48** (2006.01); **D21H 21/52** (2006.01)

CPC (source: EP KR US)

**B42D 25/355** (2014.10 - EP US); **D21H 21/40** (2013.01 - EP KR US); **D21H 21/44** (2013.01 - KR); **D21H 21/52** (2013.01 - EP US)

Citation (search report)

- [Y] EP 0490825 A1 19920617 - ZUERCHER PAPIERFABRIK AN DER S [CH]
- [Y] US 2002160188 A1 20021031 - TAM THOMAS Y-T [US], et al
- [A] US 4892336 A 19900109 - KAULE WITTICH [DE], et al
- [A] WO 03068525 A1 20030821 - GIESECKE & DEVRIENT GMBH [DE], et al
- See references of WO 2006032212A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK YU

DOCDB simple family (publication)

**EP 1793039 A1 20070606; EP 1793039 A4 20100324**; AU 2005287753 A1 20060330; BR PI0517324 A 20081007; CA 2581858 A1 20060330; CN 1600988 A 20050330; EA 011271 B1 20090227; EA 200700675 A1 20070831; JP 2008520754 A 20080619; KR 100915724 B1 20090904; KR 20070061890 A 20070614; MX 2007003450 A 20070806; US 2008053633 A1 20080306; WO 2006032212 A1 20060330; ZA 200703314 B 20080925

DOCDB simple family (application)

**EP 05791528 A 20050923**; AU 2005287753 A 20050923; BR PI0517324 A 20050923; CA 2581858 A 20050923; CN 200410009603 A 20040924; CN 2005001543 W 20050923; EA 200700675 A 20050923; JP 2007532751 A 20050923; KR 20077009135 A 20050923; MX 2007003450 A 20050923; US 66372505 A 20050923; ZA 200703314 A 20070423