

Title (en)

A two-step method of coating an article for security printing

Title (de)

Zweistufiges Verfahren zur Beschichtung eines Artikels für Sicherheitsdruck

Title (fr)

Procédé en deux étapes pour le revêtement d'un article pour l'impression de documents de sécurité

Publication

**EP 1745940 B2 20180307 (EN)**

Application

**EP 06252185 A 20060422**

Priority

US 70099405 P 20050720

Abstract (en)

[origin: EP1745940A2] A two-step method of making of a security printed image is disclosed and includes coating of the surface of a substrate with a predetermined image shape with an ink containing flaked magnetic pigment in a predetermined concentration, exposing a wet printed image to a magnetic field to align magnetic particles in a predetermined manner, allowing the ink to cure, and coating the substrate with a second printed image on the top of the first image. The second printed image with the same or different image shape is printed with another ink containing clear or dyed ink vehicle mixed with flaked magnetic pigment in a low concentration, exposed to the magnetic field of the same or different configuration as the first printed image and cured until the ink is dry.

IPC 8 full level

**B41M 3/14** (2006.01)

CPC (source: EP KR)

**B41M 1/18** (2013.01 - KR); **B41M 1/42** (2013.01 - KR); **B41M 3/148** (2013.01 - EP)

Cited by

DE102018127936A1; EP1878585A1; EP2239150A1; CN116728995A; US9827805B2; WO2010115936A1; WO2007135607A1; WO2020094291A1; US11214052B2; DE102022105489B3; EP4242993A1; WO2011092502A2; US9248637B2; US9649871B2

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

DOCDB simple family (publication)

**EP 1745940 A2 20070124**; **EP 1745940 A3 20070711**; **EP 1745940 B1 20131225**; **EP 1745940 B2 20180307**; AU 2006201842 A1 20070208; AU 2006201842 A8 20110602; AU 2006201842 B2 20110203; AU 2006201842 B8 20110602; CA 2545010 A1 20070120; CA 2545010 C 20140325; CN 1899847 A 20070124; CN 1899847 B 20110518; DK 1745940 T3 20140303; ES 2443046 T3 20140217; ES 2443046 T5 20180612; JP 2007021492 A 20070201; JP 5069877 B2 20121107; KR 101348599 B1 20140107; KR 20070011108 A 20070124; PL 1745940 T3 20140430; PL 1745940 T5 20210802; PT 1745940 E 20140224; TW 200706400 A 20070216; TW I404636 B 20130811

DOCDB simple family (application)

**EP 06252185 A 20060422**; AU 2006201842 A 20060502; CA 2545010 A 20060427; CN 200610090698 A 20060707; DK 06252185 T 20060422; ES 06252185 T 20060422; JP 2006195151 A 20060718; KR 20060065477 A 20060712; PL 06252185 T 20060422; PT 06252185 T 20060422; TW 95116452 A 20060509