

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 B1 20131225 (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.

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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; WO2007135607A1; WO2010115936A1; WO2020094291A1; US11214052B2; DE102022105489B3; EP4242993A1; WO2011092502A2; US9248637B2; US9649871B2

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