

Title (en)

Valuable document with silicon resin coating and method for its production

Title (de)

Wertdokument mit Silikonharzbeschichtung und Verfahren zu seiner Herstellung

Title (fr)

Document de valeur doté d'un revêtement en résine de silicone et son procédé de fabrication

Publication

EP 2357278 B1 20121121 (DE)

Application

EP 10014841 A 20101122

Priority

DE 102009054406 A 20091124

Abstract (en)

[origin: EP2357278A1] The valuable document such as bank note, certificate, share or identification document, comprises a flat paper substrate (2), which has a dirt-repellent coating (3, 3') at each of its both major surfaces, where the coating has a composition, which contains silicone resin and/or fluorine silicone resin and polytetrafluoroethylene solid particles. The coating is uppermost cover layer of the valuable document. The valuable document is printed under the coating and/or has a coating, which is free from silicone resin and/or fluorine silicone resin. The valuable document such as bank note, certificate, share or identification document, comprises a flat paper substrate (2), which has a dirt-repellent coating (3, 3') at each of its both major surfaces, where the coating has a composition, which contains silicone resin and/or fluorine silicone resin and polytetrafluoroethylene solid particles. The coating is uppermost cover layer of the valuable document. The valuable document is printed under the coating and/or has a coating, which is free from silicone resin and/or fluorine silicone resin. The coating is present on an outer- and an inner sublayer, where both sublayers contain silicone resin and/or fluorine silicone resin. The inner sublayer is free from polytetrafluoroethylene solid particles. The average diameter of polytetrafluoroethylene solid particles is 30-200 nm. The proportion of polytetrafluoroethylene solid particles is 1-20 wt.%. The coating has a physically drying silicone resin and/or fluorine silicone resin or silicone resin crosslinked over silicon-oxygen bonds and/or fluorine silicone resin. An independent claim is included for a method for producing a valuable document.

IPC 8 full level

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CPC (source: EP)

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