

Title (en)

Printing process for producing matte and glossy surfaces

Title (de)

Druckverfahren zur Erzeugung von matten und glänzenden Oberflächen

Title (fr)

Procédé d'impression pour réaliser des surfaces mates et brillantes

Publication

EP 1547772 B2 20110316 (DE)

Application

EP 04106770 A 20041221

Priority

DE 10360050 A 20031222

Abstract (en)

[origin: EP1547772A1] Substances with a low surface energy are added to the oil-based matt varnish or printing ink used in a printing process which involves printing or coating in succession with oil-based printing ink, matt varnish or ink (on parts of the printed surface) and transparent gloss varnish (over the whole printed surface). A printing process in which print material, in passing through a printing machine (2) with several printing groups (6, 8, 10, 12) followed by a varnishing group (14), is first printed with an oil-based printing ink (I) in at least one of the groups (6, 8, 10), then coated (in group 12) on parts of the printed surface with an oil-based matt varnish or printed with matt ink (II) (containing a dulling agent), and finally coated over the entire printed surface with a transparent gloss varnish (III) (in group 14). In this process, the matt varnish or matt ink (II) is modified by adding substance(s) (IV) with a low surface energy. An independent claim is also included for products printed on at least one side by this process, using oil-based offset printing ink.

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CPC (source: EP US)

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Opponent :

DE 2945217 A1 19810604 - BENECKE GMBH J [DE]

Cited by

DE102007059911A1; WO2009106822A1; EP1942013A3; EP1685974A3; WO2010054910A3; WO2010054910A2; US8256345B2; US9327540B2

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