

Title (en)
Screen printing device and method for manufacturing the same

Title (de)
Siebdruckvorrichtung und Verfahren zur Herstellung derselben

Title (fr)
Dispositif de sérigraphie et son procédé de fabrication

Publication
EP 1967363 A3 20101103 (DE)

Application
EP 07023414 A 20071204

Priority
DE 102007010936 A 20070307

Abstract (en)
[origin: EP1967363A2] Screen printing device comprises a textile fabric and/or a template provided on the surface with a coating that reduces adhesion of a screening paste or screening dye on the fabric and/or template. An independent claim is also included for the production of the above screen printing device. Preferred Features: A nanocrystalline coating, preferably with a crystal diameter of less than 10 nm, or an amorphous coating is used. The coating contains a carbon compound with a diamond-like structure, a fluoride, a fluorine-based compound, preferably polytetrafluoroethylene, and/or a silicon-based compound. The coating thickness lies between about 100 nm and a few micrometers.

IPC 8 full level
B41F 15/00 (2006.01); **B41M 1/12** (2006.01)

CPC (source: EP US)
B41F 15/00 (2013.01 - EP US); **B41N 1/247** (2013.01 - EP US)

Citation (search report)

- [X] EP 1147887 A1 20011024 - ASAHI GLASS CO LTD [JP]
- [X] US 4088073 A 19780509 - CRYSTAL RICHARD G, et al
- [XD] EP 1657594 A1 20060517 - KISSEL & WOLF GMBH [DE]
- [Y] US 2001053415 A1 20011220 - JIANG TONGBI [US], et al
- [Y] DE 10231698 A1 20031023 - FRAUNHOFER GES FORSCHUNG [DE]
- [Y] US 5460316 A 19951024 - HEFELE HERMANN L [DE]

Cited by
CN103192594A

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
EP 1967363 A2 20080910; EP 1967363 A3 20101103; EP 1967363 B1 20180307; DE 102007010936 A1 20080911; HU E037624 T2 20180928; LT 1967363 T 20180710; US 2008216682 A1 20080911; US 8122825 B2 20120228

DOCDB simple family (application)
EP 07023414 A 20071204; DE 102007010936 A 20070307; HU E07023414 A 20071204; LT 07023414 T 20071204; US 4311908 A 20080305