

Title (en)
Protective layer comprising lacquer

Title (de)
Lack enthaltende Schutzschicht

Title (fr)
Couche protectrice comprenant de vernis

Publication
EP 1470933 A3 20060405 (DE)

Application
EP 04009511 A 20040422

Priority
DE 10318542 A 20030424

Abstract (en)
[origin: EP1470933A2] A varnish containing radically- and/or ionically-polymerisable substances is used in a transfer process for coating sheet materials (film, panels etc.) with a protective layer, by hardening the varnish on the transfer film by radical and/or ionic polymerisation, combining the varnish side of the film with the sheet material and then removing the carrier film. A method for the production of sheet materials (e.g. film, panels etc.) with a varnish-containing protective layer obtained by coating a carrier material with varnish, hardening the varnish, combining the varnished side of the coated carrier with the sheet material and then removing the carrier. This involves using a varnish containing radically- and/or ionically-polymerisable substances, which is at least partly hardened on the carrier by radical and/or ionic polymerisation. An independent claim is also included for transfer film comprising a carrier material coated with polymerisable varnish as above.

IPC 8 full level
B05D 3/06 (2006.01); **B05D 1/00** (2006.01); **B05D 1/28** (2006.01); **B44C 1/10** (2006.01); **B44C 1/17** (2006.01); **B44C 5/04** (2006.01); **C09D 4/00** (2006.01)

CPC (source: EP)
B05D 1/286 (2013.01); **B44C 1/1716** (2013.01); **B44C 5/0476** (2013.01); **B05D 3/067** (2013.01)

Citation (search report)
• [X] EP 0993876 A1 20000419 - BUSH IND INC [US]
• [X] EP 1304235 A1 20030423 - MZE ENGINEERING GMBH [DE]
• [A] FR 2604124 A1 19880325 - CHAUDOUET MARCEL [FR]
• [A] EP 0213327 A2 19870311 - NORDIPA AG [CH]
• [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 366 (C - 390) 6 December 1986 (1986-12-06)

Cited by
CN102837543A; DE102007058714C5; EP2492109A1; WO2008147180A1; EP3108970B1

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