

Title (en)

APPARATUS AND PROCESS FOR MANUFACTURING A FILM FOR APPLYING VARNISH AND COLOUR ONTO AN OBJECT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR HERSTELLUNG EINER FOLIE ZUM AUFTRAGEN VON LACK UND FARBE AUF EIN OBJEKT

Title (fr)

APPAREIL ET PROCEDE DE FABRICATION D'UN FILM A UTILISER POUR L'APPLICATION DE VERNIS ET DE COULEUR SUR OBJET

Publication

EP 1729977 A4 20090701 (EN)

Application

EP 04757224 A 20040723

Priority

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- US 54673604 P 20040223

Abstract (en)

[origin: WO2005084963A1] A process and apparatus for manufacturing a film that can be used to apply varnish and colour onto an object to be decorated. The process includes the steps of: (1) applying a layer of colour onto a first film, which has release properties; (2) applying a layer of varnish onto the colour layer of the first film; (3) partially curing the varnish layer; (4) transferring by release the layers of varnish and colour from the first film onto a second film having release properties, wherein the second film is more flexible than the first film; and (5) further curing the transferred layer of varnish on the second film.

IPC 8 full level

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Citation (search report)

- [Y] EP 0993875 A1 20000419 - BUSH IND INC [US]
- [YD] EP 0573676 A1 19931215 - GE POLYMERTREND GMBH [DE], et al
- [Y] EP 1053793 A1 20001122 - ARGOTEC LACKSYSTEME GMBH [DE]
- [Y] EP 0993876 A1 20000419 - BUSH IND INC [US]
- See references of WO 2005084963A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

WO 2005084963 A1 20050915; CN 1942329 A 20070404; EP 1618966 A1 20060125; EP 1619022 A1 20060125; EP 1729977 A1 20061213; EP 1729977 A4 20090701

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US 2004023682 W 20040723; CN 200480042832 A 20040723; EP 04757224 A 20040723; EP 05005641 A 20050315; EP 05005642 A 20050315