

Title (en)

MULTI-ITEM SUBSTRATE DECORATING METHOD AND APPARATUS

Title (de)

METHODE UND VORRICHTUNG ZUM DEKORIEREN VON MEHRTEILIGEN SUBSTRATEN

Title (fr)

PROCEDE ET APPAREIL POUR DECORER UN SUBSTRAT CONSTITUE DE PLUSIEURS ARTICLES

Publication

**EP 1068081 A1 20010117 (EN)**

Application

**EP 99909084 A 19990310**

Priority

- GB 9900624 W 19990310
- GB 9805045 A 19980311

Abstract (en)

[origin: WO9946134A1] An automated method of decorating a substrate comprising a plurality of articles and a suitable automated production line are described. The method includes the steps of: continuously feeding the substrate and heat release decals on a decal carrier to a laminating station; applying heat to the decal carrier so as to simultaneously release the decal from the carrier and deposit the decal on an exposed face of the substrate continuously passing through the laminating station; transferring a decal-deposited substrate to a decal-securing oven; and slowly heating the substrate to a predetermined temperature so as to remove all binding agents from the decal and to fix the decal to the substrate thereby decorating the substrate.

IPC 1-7

**B44C 1/17**; **C03C 17/00**; **B44F 1/10**

IPC 8 full level

**B44C 1/165** (2006.01); **B44C 1/17** (2006.01); **B44F 1/10** (2006.01); **C03C 17/00** (2006.01); **C03C 17/32** (2006.01)

CPC (source: EP)

**B44C 1/1712** (2013.01); **B44F 1/10** (2013.01); **C03C 17/002** (2013.01)

Citation (search report)

See references of WO 9946134A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 9946134 A1 19990916**; AU 2845499 A 19990927; CA 2322837 A1 19990916; CN 1303333 A 20010711; EP 1068081 A1 20010117; GB 2336130 A 19991013; GB 2336130 B 20011219; GB 9805045 D0 19980506; GB 9905434 D0 19990505; ID 25925 A 20001109; JP 2002505974 A 20020226

DOCDB simple family (application)

**GB 9900624 W 19990310**; AU 2845499 A 19990310; CA 2322837 A 19990310; CN 99806026 A 19990310; EP 99909084 A 19990310; GB 9805045 A 19980311; GB 9905434 A 19990310; ID 20002051 A 19990310; JP 2000535527 A 19990310