

Title (en)
A PROCESS AND APPARATUS FOR PRECISE EMBOSSING

Title (de)
VERFAHREN UND VORRICHTUNG ZUM PRÄZISIONSPRÄGEN

Title (fr)
PROCEDE ET DISPOSITIF DE GAUFRAGE DE PRECISION

Publication
EP 1301334 A1 20030416 (EN)

Application
EP 01944387 A 20010608

Priority

- US 0118655 W 20010608
- US 59624000 A 20000616
- US 78175601 A 20010212

Abstract (en)
[origin: WO0198066A1] A process and apparatus for forming thermoplastic products having precise embossed surfaces including using a continuous press (40) having upper and lower belts (50, 52) with the embossing patterns thermoplastic material through the press (40) where heat and pressure are applied and thereafter cooling the material while maintaining pressure in a reaction zone (53). Pressure is maintained at about 250 psi, heating is at about 480 DEG F and cooling is at about 35 DEG F.

IPC 1-7
B29D 11/00; **B29C 59/04**

IPC 8 full level
B29C 43/22 (2006.01); **B29C 43/48** (2006.01); **B29C 59/04** (2006.01); **B29C 33/42** (2006.01); **B29L 7/00** (2006.01)

CPC (source: EP)
B29C 43/222 (2013.01); **B29C 43/48** (2013.01); **B29C 59/04** (2013.01); **B29C 33/424** (2013.01); **B29C 2059/023** (2013.01)

Citation (search report)
See references of WO 0198066A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 0198066 A1 20011227; AU 6680301 A 20020102; CA 2411926 A1 20011227; EP 1301334 A1 20030416; JP 2004501002 A 20040115

DOCDB simple family (application)
US 0118655 W 20010608; AU 6680301 A 20010608; CA 2411926 A 20010608; EP 01944387 A 20010608; JP 2002503524 A 20010608