

Title (en)
PLASTIC BODY PROVIDED WITH A MICROSTRUCTURED SURFACE

Title (de)
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Title (fr)
CORPS EN PLASTIQUE A SURFACE MICROSTRUCTUREE

Publication
EP 1651422 A1 20060503 (DE)

Application
EP 04728556 A 20040421

Priority
• EP 2004004202 W 20040421
• DE 10329938 A 20030702

Abstract (en)
[origin: WO2005002830A1] The invention relates to a method for the production of a plastic body provided with a microstructured surface by producing a composite from a carrier layer consisting of a thermoplastic or thermoelastic plastic, provided with one or several structural layers. Said method is characterised in that the structural layer(s) contain(s) 1 - 100 wt.-% of a polymethacrylate-moulding material which contains from 80 - 100 wt.-% of radically polymerised methylmethacrylate units and 0 - 20 wt.-% additional radical comonomers which can be polymerised and which have an average molecular weight (average weight) Mw of 30.000 g/mol - 70.000 g/mol and, optionally, a mixture containing up to 99 wt.-% polymethacrylate moulding material containing 80 - 100 wt.-% radically polymerised methylmethacrylate units and from 0 - 20 wt.-% additional radical comonomers which can be polymerised and have an average molecular weight (average weight) Mw of 90.000 g/mol - 200.000 g/mol and the structural layer and/or the structural layers are microstructured, after the production of the composite, according to known structuring methods. The invention also relates to a plastic body produced according to the inventive method and to the uses thereof.

IPC 1-7
B29C 59/02; **B32B 27/30**; **C08L 33/12**

IPC 8 full level
B29C 59/00 (2006.01); **B29C 59/02** (2006.01); **B32B 27/30** (2006.01); **C08L 33/04** (2006.01)

CPC (source: EP KR US)
B29C 59/005 (2013.01 - EP US); **B29C 59/02** (2013.01 - KR); **B29C 59/026** (2013.01 - EP US); **B32B 27/08** (2013.01 - US); **B32B 27/30** (2013.01 - EP KR US); **B32B 27/308** (2013.01 - US); **B32B 38/06** (2013.01 - US); **C08L 33/04** (2013.01 - EP KR US); **B29C 2059/023** (2013.01 - EP US); **B32B 2307/746** (2013.01 - US); **B32B 2333/12** (2013.01 - US); **C08L 2205/02** (2013.01 - EP US); **Y10T 428/24355** (2015.01 - EP US); **Y10T 428/24479** (2015.01 - EP US)

Citation (search report)
See references of WO 2005002830A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2005002830 A1 20050113; CN 1700979 A 20051123; DE 10329938 A1 20050317; EP 1651422 A1 20060503; IL 166670 A0 20060115; JP 2007516857 A 20070628; KR 20060026400 A 20060323; MX PA05002126 A 20050606; US 2006121248 A1 20060608

DOCDB simple family (application)
EP 2004004202 W 20040421; CN 200480000766 A 20040421; DE 10329938 A 20030702; EP 04728556 A 20040421; IL 16667005 A 20050202; JP 2006515755 A 20040421; KR 20057003620 A 20050302; MX PA05002126 A 20040421; US 52484005 A 20050217