

Title (en)
COMPOSITE BODIES, METHOD FOR THE PRODUCTION THEREOF AND USE THEREOF

Title (de)
VERBUNDK RPER, VERFAHREN ZU DESSEN HERSTELLUNG UND DESSEN VE RWENDUNG

Title (fr)
CORPS COMPOSITE, PROCEDE DE REALISATION ET SON UTILISATION

Publication
EP 1699631 A1 20060913 (DE)

Application
EP 04804159 A 20041222

Priority
• EP 2004014563 W 20041222
• DE 10361190 A 20031224

Abstract (en)
[origin: WO2005065943A1] The invention relates to composite bodies containing polyacetal and at least one thermoplastic polyamide elastomer formed by a polyacetal moulded part which is partially or fully coated with the thermoplastic polyamide elastomer or on which one or several moulded parts are directly formed from the thermoplastic polyamide elastomer. The composite bodies are characterized in that the polyacetal and the thermoplastic polyamide elastomer are bonded to each other by adhesively or cohesively spraying the polyamide elastomer onto the polyacetal moulded part and also in that the composite resistance at a tractive stress between the polyacetal and the thermoplastic polyamide elastomer is at least 0.5 N/mm<2>. The composite bodies can be used as linking elements, functional parts with integrated sealing and damping properties and non-slip, handle-friendly elements.

IPC 8 full level
B32B 27/28 (2006.01); **B29C 45/16** (2006.01); **B29C 65/00** (2006.01)

CPC (source: EP US)
B29C 45/1676 (2013.01 - EP US); **B29C 66/71** (2013.01 - EP US); **B29C 66/73152** (2013.01 - EP); **B29C 45/1657** (2013.01 - EP US); **B29C 2045/1659** (2013.01 - EP US); **B29K 2059/00** (2013.01 - EP US); **B29K 2077/00** (2013.01 - EP US); **B29K 2221/003** (2013.01 - EP US); **Y10T 428/31725** (2015.04 - EP US)

Citation (search report)
See references of WO 2005065943A1

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

DOCDB simple family (publication)
WO 2005065943 A1 20050721; DE 10361190 A1 20050728; EP 1699631 A1 20060913; JP 2007534516 A 20071129; US 2007154727 A1 20070705; US 8236430 B2 20120807

DOCDB simple family (application)
EP 2004014563 W 20041222; DE 10361190 A 20031224; EP 04804159 A 20041222; JP 2006546046 A 20041222; US 58474504 A 20041222