

Title (en)

POLYURETHANE ELASTOMER ADHESIVELY CONNECTED TO POLYTETRAFLUORETHYLENE AND AN ELASTIC BEARING CONTAINING ONE SUCH POLYURETHANE ELASTOMER

Title (de)

POLYURETHANELASTOMER HAFTEND VERBUNDEN MIT POLYTETRAFLUORETHYLEN UND ELASTISCHES LAGER ENTHALTEND EIN SOLCHES POLYURETHANELASTOMER

Title (fr)

POLYURETHANE ELASTOMERE LIE PAR ADHERENCE A UN POLYTETRAFLUOROETHYLENE ET PALIER ELASTIQUE CONTENANT UN TEL POLYURETHANE ELASTOMERE

Publication

EP 1516017 A1 20050323 (DE)

Application

EP 03757017 A 20030604

Priority

- DE 10225793 A 20020610
- EP 0305820 W 20030604

Abstract (en)

[origin: DE10225793A1] Polyurethane elastomer adhesively bonded with polytetrafluoroethylene by means of a reactive melt adhesive is new Independent claims are included for: (1) a method for preparation of the polyurethane (PU) elastomer involving application of ground reactive adhesive melt (GRAM) based on encapsulated isocyanates to the elastomer surface to be bonded and/or to the surface of a polytetrafluoroethylene (PTFE) film, melting of the GRAM at 30-90degreesC, fixing of this to the part to be bonded, activation of the GRAM by heating to a temperature exceeding 100degreesC, and by reaction of the GRAM the PTFE is bonded to the Polyurethane elastomer; (2) an elastic support containing the PU elastomer; (3) an automobile or freight vehicle containing the elastic support.

IPC 1-7

C08L 75/04; B32B 27/40; B32B 27/32; F16C 33/20

IPC 8 full level

B32B 25/14 (2006.01); **B32B 27/40** (2006.01); **B60R 19/26** (2006.01); **C08G 18/40** (2006.01); **F16C 3/02** (2006.01); **F16C 33/20** (2006.01); **B60R 13/08** (2006.01)

CPC (source: EP)

B32B 25/14 (2013.01); **B32B 27/40** (2013.01); **B60R 19/26** (2013.01); **C08G 18/40** (2013.01); **F16C 3/026** (2013.01); **F16C 33/201** (2013.01); **B60R 13/08** (2013.01); **C08G 2110/0066** (2021.01); **C08G 2170/20** (2013.01); **C08G 2350/00** (2013.01)

Citation (search report)

See references of WO 03104326A1

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 PT RO SE SI SK TR

DOCDB simple family (publication)

DE 10225793 A1 20031218; AU 2003242617 A1 20031222; EP 1516017 A1 20050323; WO 03104326 A1 20031218

DOCDB simple family (application)

DE 10225793 A 20020610; AU 2003242617 A 20030604; EP 0305820 W 20030604; EP 03757017 A 20030604