

Title (en)  
THERMOPLASTIC POLYURETHANE ELASTOMERS (TPUs) PREPARED WITH POLYTRIMETHYLENE CARBONATE SOFT SEGMENT

Title (de)  
THERMOPLASTISCHE POLYURETHANELASTOMERE (TPUS), DIE WEICHSEGMENTE AUS POLYTRIMETHYLENCARBONAT ENTHALTEN

Title (fr)  
ELASTOMERES DE POLYURETHANE THERMOPLASTIQUES (TPUS) PREPARES AVEC UN SEGMENT SOUPLE DE CARBONATE DE POLYTRIMETHYLENE

Publication  
**EP 1268599 A2 20030102 (EN)**

Application  
**EP 01933766 A 20010327**

Priority  
• EP 0103496 W 20010327  
• US 19219200 P 20000327

Abstract (en)  
[origin: WO0172867A2] A thermoplastic polyurethane elastomer (TPU) composition which comprises: a) a poly(trimethylene carbonate) diol (PTMC diol) as the soft segment; b) a diisocyanate; and c) at least one glycol which reacts with the diisocyanate to form the hard segment which comprises from 10 % to 55 % by weight of the composition wherein the hard segment is defined as the sum portion of diisocyanate that reacts with the glycol plus the unreacted glycol.

IPC 1-7  
**C08G 18/65**; **C08G 18/44**

IPC 8 full level  
**C08G 18/44** (2006.01); **C08G 18/65** (2006.01); **C08G 18/66** (2006.01)

CPC (source: EP KR)  
**C08G 18/44** (2013.01 - EP KR); **C08G 18/664** (2013.01 - EP)

Citation (search report)  
See references of WO 0172867A2

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 0172867 A2 20011004**; **WO 0172867 A3 20020321**; AU 6016301 A 20011008; CA 2404753 A1 20011004; CN 1177880 C 20041201; CN 1426430 A 20030625; EP 1268599 A2 20030102; JP 2003528951 A 20030930; KR 20020081591 A 20021028; MX PA02009391 A 20030212

DOCDB simple family (application)  
**EP 0103496 W 20010327**; AU 6016301 A 20010327; CA 2404753 A 20010327; CN 01808410 A 20010327; EP 01933766 A 20010327; JP 2001571794 A 20010327; KR 20027012681 A 20020925; MX PA02009391 A 20010327