

Title (en)  
FLEXIBLE COATINGS FOR ELASTOMER SUBSTRATES

Title (de)  
BEI RAUMTEMPERATUR AUSHÄRTBARE, FUNKTIONALISIERTE HNBR-BESCHICHTUNG

Title (fr)  
REVETEMENTS FLEXIBLES POUR SUBSTRATS ELASTOMERES

Publication  
**EP 1483348 A1 20041208 (EN)**

Application  
**EP 03714035 A 20030308**

Priority  
• US 0307258 W 20030308  
• US 9420302 A 20020308  
• US 26557602 A 20021007

Abstract (en)  
[origin: WO03076537A1] Emissive coatings for flexible substrates, preferably elastomers or elastomers bonded to metal are disclosed. The coating composition is formed by combining parts (a) and (b) where part (a) comprises an organic solution or aqueous dispersion of a functional group containing polymer or copolymer and thermal conductive filler; and part (b) comprises a liquid curing component, for example a poly isocyanate, a carbodiimide, or an amino resin. The coating compounds can be applied to an substrate either before or after the substrate has been vulcanized. The coatings can be cured at ambient temperatures and provide heat dissipation over long term service at elevated temperatures.

IPC 1-7  
**C09D 201/00**; **C08J 7/04**

IPC 8 full level  
**C08J 7/04** (2006.01); **C08J 7/043** (2020.01); **C08J 7/046** (2020.01); **C09D 7/12** (2006.01); **C09D 109/02** (2006.01); **C09D 109/06** (2006.01); **C09D 113/00** (2006.01); **C09D 115/00** (2006.01); **C09D 119/00** (2006.01); **C09D 123/08** (2006.01); **C09D 123/26** (2006.01); **C09D 123/28** (2006.01); **C09D 133/00** (2006.01); **C09D 135/02** (2006.01); **C09D 153/00** (2006.01); **C09D 153/02** (2006.01); **C09D 171/03** (2006.01); **C09D 175/04** (2006.01); **C09D 201/02** (2006.01); **C09D 201/06** (2006.01); **C08K 3/08** (2006.01)

CPC (source: EP US)  
**C08J 7/0427** (2020.01 - EP); **C08J 7/043** (2020.01 - EP US); **C08J 7/046** (2020.01 - EP US); **C09D 115/005** (2013.01 - EP US); **C08J 2321/00** (2013.01 - EP); **C08K 3/08** (2013.01 - EP); **C08K 2201/001** (2013.01 - EP)

Citation (search report)  
See references of WO 03076537A1

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)  
**WO 03076537 A1 20030918**; AU 2003218055 A1 20030922; BR 0308281 A 20041228; CA 2477740 A1 20030918; CN 100335579 C 20070905; CN 1639285 A 20050713; EP 1483348 A1 20041208; JP 2005520016 A 20050707; JP 4514191 B2 20100728; MX PA04008607 A 20041206; TW 200307730 A 20031216; TW I262205 B 20060921

DOCDB simple family (application)  
**US 0307258 W 20030308**; AU 2003218055 A 20030308; BR 0308281 A 20030308; CA 2477740 A 20030308; CN 03805534 A 20030308; EP 03714035 A 20030308; JP 2003574749 A 20030308; MX PA04008607 A 20030308; TW 92105121 A 20030310