

Title (en)  
ADHESIVE SILICONE ELASTOMER COMPOSITION

Title (de)  
ELASTOMERE SILIKONHAFTZUSAMMENSETZUNG

Title (fr)  
COMPOSITION ELASTOMERE SILICONE ADHESIVE

Publication  
**EP 2173939 A2 20100414 (FR)**

Application  
**EP 08786623 A 20080730**

Priority

- EP 2008059989 W 20080730
- FR 0705659 A 20070802

Abstract (en)  
[origin: WO2009016199A2] The present invention relates to a high-performance silicone elastomer composition that is adhesive and that can be crosslinked at high temperature for the assembly of silicone-based substrates, both by platinum and peroxide catalysis, and that may lend itself to a strip conformation. The composition comprises at least one gum, one catalyst and one adhesion promoter of polyorganohydrogensiloxane type, the nature and the amount of said adhesion promoter having been chosen so that Si-H groups are in excess following the reaction for crosslinking the composition, so as to obtain a potential surface density of covalent Si- bonds with the silicone substrate to be bonded of at least one covalent Si-bond per 60 nm<sup>2</sup>.

IPC 8 full level  
**D06N 3/12** (2006.01); **C09D 183/05** (2006.01); **C09D 183/07** (2006.01); **C09J 183/04** (2006.01); **C09J 183/05** (2006.01); **C09J 183/07** (2006.01)

CPC (source: EP US)  
**C08L 83/00** (2013.01 - EP US); **C09D 183/04** (2013.01 - EP US); **C09J 183/04** (2013.01 - EP US); **C08L 2666/52** (2013.01 - EP US); **C08L 2666/54** (2013.01 - EP US)

C-Set (source: EP US)

1. **C09D 183/04 + C08L 83/00 + C08L 2666/54**
2. **C09J 183/04 + C08L 83/00 + C08L 2666/52 + C08L 2666/54**

Citation (examination)

- "Silicones", 15 April 2003, ENCYCLOPEDIA OF POLYMER SCIENCE AND TECHNOLOGY, WILEY, US, PAGE(S) 765 - 841, XP007918236
- F DE BUYL: "Silicone sealants and structural adhesives", INTERNATIONAL JOURNAL OF ADHESION AND ADHESIVES, vol. 21, no. 5, 1 January 2001 (2001-01-01), pages 411 - 422, XP055010096, ISSN: 0143-7496, DOI: 10.1016/S0143-7496(01)00018-5

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Designated extension state (EPC)  
AL BA MK RS

DOCDB simple family (publication)  
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