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(54) Title: TWO PART POLYUREA-URETHANE ADHESIVE WITH ELEVATED HIGH TEMPERATURE STORAGE MODULUS

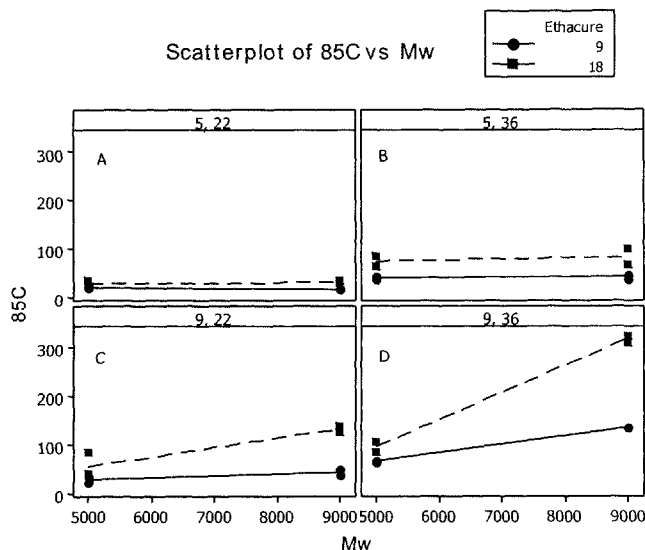


FIG. 1

(57) Abstract: Two-part polyurea-urethane adhesive compositions comprising a Part A prepolymer component having an isocyanate component comprising polymeric isocyanate and an oligomer content greater than 15 weight percent, polyol having a molecular weight of about 5,000 to about 12,000 and about 20 weight percent to about 44 percent weight percent filler; and a Part B curative component comprising polyol having molecular weight of about 5,000 to about 12,000, aromatic amine, about 20 weight percent to about 44 percent weight percent filler and catalyst wherein the adhesive has an 85°C storage modulus greater than about 20 MPa. The two-part polyurea-urethane adhesive composition can be applied to bond various substrates.

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INTERNATIONAL SEARCH REPORT

International application No.

PCT/US 12/37883

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - C08G 18/00; C08L 75/00 (2012.01)

USPC - 524/590; 525/131

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC (8) - C08G 18/00; C08L 75/00 (2012.01)

USPC - 524/590; 525/131

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
Patents, Non-Patent Literature. Search term limited.Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
PubWEST (PGPB,USPT,USOC,EPAB,JPAB); Google. Search terms: "aromatic amine", "molecular weight", "part a", "part b", "storage modulus", "two adj part", adhesive, amine, aromatic, diamine, filler, isocyanate, MPa, mwt, polyisocyanate, polyol, polyurea, polyurethane, two-part, urethane

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2007/0148471 A1 (RUKAVINA, ET AL.) 28 June 2007 (28.06.2007), paras [0225]-[0233], [0480], [0526]	1-27
A	US 2010/0292403 A1 (ANSEMS, ET AL.) 18 November 2010 (18.11.2010), entire document	1-27
A	US 2010/0087561 A1 (ABRAHAM, ET AL.) 08 April 2010 (08.04.2010), entire document	1-27
A	US 2009/0280329 A1 (RUKAVINA, ET AL.) 12 November 2009 (12.11.2009), entire document	1-27
A	US 7,622,526 B2 (DROGER, ET AL.) 24 November 2009 (24.11.2009), entire document	1-27
A	US 7,290,960 B2 (SENGUPTA, ET AL.) 06 November 2007 (06.11.2007), entire document	1-27
A	US 7,011,865 B2 (SENGUPTA, ET AL.) 14 March 2006 (14.03.2006), entire document	1-27
A	US 5,109,098 A (HARRIS, ET AL.) 28 April 1992 (28.04.1992), entire document	1-27
A	US 2007/0270240 A1 (SMITH) 22 November 2007 (22.11.2007) para [0028]-[0032]; [0039]-[0047]	1-27

 Further documents are listed in the continuation of Box C.

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"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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"&" document member of the same patent family

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