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(54) Title: FUNCTIONALIZED POLYMER AND METHODS FOR MAKING AND USING

(57) Abstract: A functionalized polymer includes a polymer chain and a terminal functionality that includes at least one disilylamino group. The polymer can be the reaction product of a terminally active polymer chain and a compound that includes at least one disilylamino group and a group capable of reacting with terminally active polymers. Methods for making and using such polymers also are provided, as are compositions containing the polymer and one or more types of filler particles as well as vulcanizates provided from such compositions.



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INTERNATIONAL SEARCH REPORT

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PCT/US2008/088366**A. CLASSIFICATION OF SUBJECT MATTER***C08F 8/10(2006.01)i, C08F 8/30(2006.01)i, C08F 279/02(2006.01)i, C08L 55/02(2006.01)i, C08K 7/16(2006.01)i*

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: C08F, C08L, C08K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal, Google Scholar)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	JP 2007-154014 A (JSR CORP.) 21 Jun. 2007 See abstract; Par. [70], [72], [104], and [107]-[116]; claims 5-10.	1-20
A	JP 63-275590 A (TONEN SEKIYUKAGAKU KK) 14 Nov. 1988 See the whole document.	1-20
A	US 4,015,061 A (SCHULZ, D. N. et al.) 29 Mar. 1977 See the whole document.	1-20
P.A	WO 2008/156788 A2 (BRIDGESTONE CORP.) 24 Dec. 2008 See the whole document.	1-20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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"&" document member of the same patent family

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JP 2007-154014 A

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JP 63-275590 A

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US 04015061 A

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