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(71) Applicant (for all designated States except US): **DOW GLOBAL TECHNOLOGIES INC.** [US/US]; WASHINGTON STREET, 1790 Building, Midland, Michigan 48674 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ERDEM, Bedri** [TR/US]; 9811 Summer Breeze Drive, Pearland, Texas 77584 (US). **BHATTACHARJEE, Debkumar** [US/US]; 104 Spanish Oak Circle, Lake Jackson, Texas 77566 (US). **SUBRAMANIAN, Ramki** [IN/US]; 7200 Alameda Road, #714, Houston, Texas 77054 (US).

(74) Agent: **ULMER, Duane, C.**; The Dow Chemical Company, Intellectual Property, P.O. Box 1967, Midland, MI 48641-1967 (US).

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(54) Title: STABLE THERMALLY COAGUABLE POLYURETHANE DISPERSIONS

(57) Abstract: A stable thermally coaguable polyurethane, which can form moisture resistant polyurethane articles is comprised of water having therein an external surfactant, an electrolyte and polyurethane particles, wherein the polyurethane particles are comprised of a nonionizable polyurethane that has ethylene oxide units in an amount that is insufficient to render a stable aqueous polyurethane dispersion in the absence of the external surfactant. A portion of the ethylene oxide units are of a mono hydroxyl polyethylene oxide having a molecular weight of 400 to 1500, polyethylene oxide diol having a molecular weight of 800 to 3000 or combination thereof.



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# INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2005/044942

**A. CLASSIFICATION OF SUBJECT MATTER**

INV. C08G18/08 C08G18/28 C08G18/48

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)  
C08G

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 practical, search terms used)

EPO-Internal, WPI Data

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

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X	WO 00/61653 A (DOW CHEMICAL) 19 October 2000 (2000-10-19) page 2, line 1 - page 7, line 18; claims 1-17; examples 1-4 -----	1-4
A	US 3 920 598 A (REIFF ET AL) 18 November 1975 (1975-11-18) column 2, line 15 - column 9, line 41; claims 1-7; examples -----	1
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Further documents are listed in the continuation of Box C.

See patent family annex.

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Bourgonje, Andreas

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International application No  
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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 4 888 379 A (HENNING ET AL) 19 December 1989 (1989-12-19) cited in the application column 2, line 38 - column 5, line 42; claims 1-5  -----	1
A	US 4 293 474 A (DIETEREICH ET AL) 6 October 1981 (1981-10-06) cited in the application column 2, line 19 - column 13, line 31; claims 1-3  -----	1

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Information on patent family members

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