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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):** **MCGEE, Robert, L** [US/US]; 3606 Mary Jane Drive, Midland, Michigan 48642 (US). **SHENOY, Anil, G** [IN/US]; 3001 Camberley Lane, Midland, Michigan 48640 (US). **RASCO, Melvin, L** [US/US]; 67 Cayenne Common, Lake Jackson, Texas 77566 (US).
- (74) **Agent:** **TREANGEN, John, B;** The Dow Chemical Company, Intellectual Property, P.O. Box 1967, Midland, Michigan 48641-1967 (US).
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(54) **Title:** LAMINATED POLYISOCYANURATE FOAM STRUCTURE WITH IMPROVED ASTM E-84 FLAME SPREAD INDEX AND SMOKE DEVELOPED INDEX

(57) **Abstract:** Improve ASTM E-84 flame spread index and smoke developed index ratings of polyisocyanurate or urethane-modified isocyanurate foams by coating one or both major planar surfaces of a foam body or board with an intumescent coating material that contains expandable graphite and a silicate. If desired, provide reinforcement for the intumescent coating when it intumesces using a material such as a carbon veil mat or a fiberglass mat. Add a moisture vapor barrier layer to minimize water-induced degradation or water absorption of the foam.



WO 2006/083348 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. B32B17/02

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)
B32B E04B

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	DE 297 22 652 U1 (CREMER, DIETER, 50259 PULHEIM, DE) 2 April 1998 (1998-04-02) claim 1 -----	1
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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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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

Schweissguth, M

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
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