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(54) Title: FLAME RETARDANT POLYIMIDE/POLYESTER-POLYCARBONATE COMPOSITIONS, METHODS OF MANUFACTURE, AND ARTICLES FORMED THEREFROM

(57) Abstract: A composition is disclosed, comprising, based on the total weight of the composition, from 20 to 60 wt.% of a polyimide having a glass transition temperature above 1800C; from 10 to 30 wt.% a polyester-polycarbonate copolymer; from 30 to 60 wt.% of a reinforcing filler; and at least two flame retardant additives selected from the group consisting of from 0.01 to 0.5 wt.% of a first sulfonate salt, from 0.01 to 0.5 wt.% of a second sulfonate salt, from 0.5 to 5 wt.% of a siloxane copolymer, and combinations thereof. An article molded from the composition attains an improved UL94 rating, as compared to an article molded from the same composition without the at least two flame retardant additives.



WO 2009/095825 A3

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

INV. C08G73/00 C08G73/10 C08L79/00 C08L79/08 C08K5/00
C08K5/36 C08K5/41 C08K5/42

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 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 practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2007/066737 A1 (GALLUCCI ROBERT R [US] ET AL) 22 March 2007 (2007-03-22) paragraphs [0001] - [0084]; claims 1-26; examples	1-30
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Y	US 5 051 483 A (ROCK JOHN A [US] ET AL) 24 September 1991 (1991-09-24) column 1, line 10 - column 10, line 55; claims 1-19; examples	1-30
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☒ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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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.
X	US 2007/197700 A1 (GALLUCCI ROBERT R [US] ET AL) 23 August 2007 (2007-08-23) paragraphs [0001] - [0088]; claims 1-24; examples -----	1-30
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INTERNATIONAL SEARCH REPORT

Information on patent family members

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