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(54) Title: INSULATION COMPOSITIONS

(57) Abstract: The present invention relates to insulation compositions. In an object of the present invention, the compositions contain a fluoropolymer, a poly(arylene ether) and a styrene block copolymer. The compositions maintain substantially similar electrical properties and flame retardancy, and have reducing cost and density when compared to fluoropolymers alone.

INTERNATIONAL SEARCH REPORT

International application No.
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A. CLASSIFICATION OF SUBJECT MATTER

C08L 27/12(2006.01)i, C08L 71/12(2006.01)i, C08L 25/08(2006.01)i, H01B 3/30(2006.01)i, H01B 7/17(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)

C08L 27/12; C08F 290/04; E04B 1/74; C08L 101/00; C08K 5/523; C08K 3/02; B32B 5/02; C08K 5/092; C08K 5/00

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) & Keywords: insulation composition, fluoropolymer, poly(arylene ether), styrenic copolymer, plenum cable

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X A	JP 06-057159 A (ASAHI CHEM. IND. CO., LTD.) 01 March 1994 See abstract, claims, paragraphs [0012]-[0024], [0033]-[0039].	1,3-11 2,12-20
A	US 7253227 B2 (MHETAR, V. R. et al.) 07 August 2007 See the whole document.	1-20
A	US 2009-0246520 A1 (PARK, D.-H. et al.) 01 October 2009 See the whole document.	1-20
A	WO 2007-059302 A1 (GENERAL ELECTRIC COMPANY) 24 May 2007 See the whole document.	1-20
A	US 6451889 B1 (JANG, B.-N. et al.) 17 September 2002 See the whole document.	1-20

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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"P" document published prior to the international filing date but later than the priority date claimed

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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