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(54) Title: GLASS COMPOSITIONS

(57) Abstract: Disclosed are glass compositions and glass fibers formed from certain embodiments of the disclosed glass compositions. Certain embodiments of the glass compositions include, among other components, bismuth oxide. Certain embodiments of the glass composition include about 0.5-30 % bismuth oxide of the composition by weight and silica oxide at about 54-70 % of the composition by weight. Embodiments of the glass compositions may also include other components. For example, zinc oxide can make up about 0.01-5 % of the composition by weight.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER												
IPC(7) : C03C 13/00, 3/093, 3/087												
US CL : 501/35, 36, 59, 67, 70, 72; 429/247												
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)												
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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)												
C. DOCUMENTS CONSIDERED TO BE RELEVANT												
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.										
X	US 4,472,030 A (TACHIBANA et al) 18 September 1984 (19.09.1984), example 10, column 9, lines 36-40.	1-10,13-15,17-22.										
X	US 5,304,516 A (CLIFFORD) 19 April 1994 (19.04.1994), Table 3.	1-12										
X	US 6,403,507 B2 (NAUMANN et al) 11 June 2002 (11.06.2002), column 2, lines 13-30.	1-10										
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.												
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