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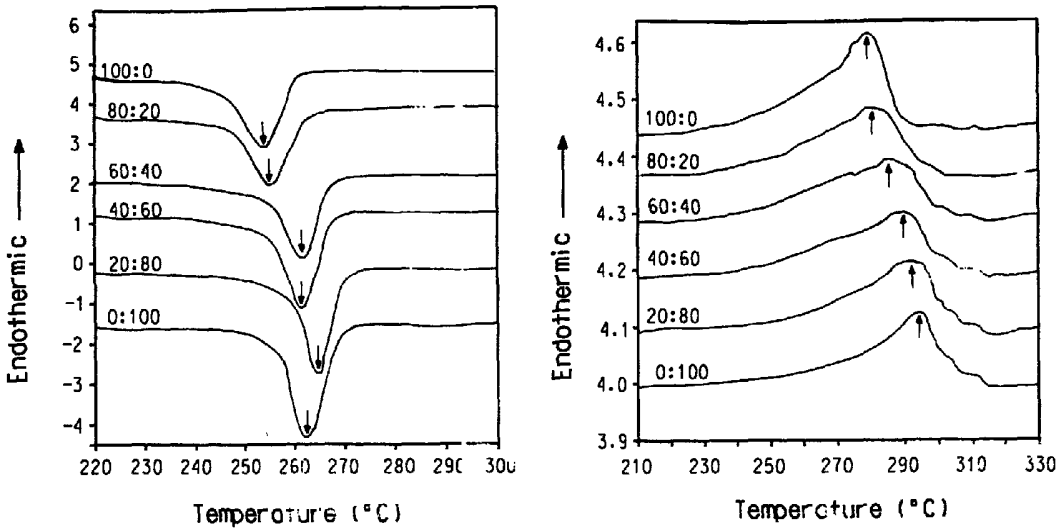
(54) Title: MELT PROCESSIBLE FLUOROPOLYMER COMPOSITION



(57) Abstract: Blends of 3 to 97 parts by weight of tetrafluoroethylene/hexafluoropropylene copolymer containing 3 to 9 wt% hexafluoropropylene and 0 to 4 wt% of tetrafluoroethylene/perfluoro(ethyl vinyl ether) or tetrafluoroethylene/perfluoro(methyl vinyl ether), with 97 to 3 parts by weight tetrafluoroethylene/perfluoro(ethyl vinyl ether) or tetrafluoroethylene/perfluoro(methyl vinyl ether), which co-crystallize are found to have improved melt strength and improved mechanical properties, and a higher service temperature than the tetrafluoroethylene/hexafluoropropylene copolymer.

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C08L27/18 //(C08L27/18,27:18)

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)
IPC 7 C08L

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

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 3 484 503 A (MAGNER LOWELL MAX ET AL) 16 December 1969 (1969-12-16) examples ---	1-3
X	DE 36 16 360 A (DAIDO METAL CO LTD) 27 November 1986 (1986-11-27) example 12 ---	1
A	US 5 041 500 A (ISHIWARI KAZUO ET AL) 20 August 1991 (1991-08-20) claims; figures --- -/--	1

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
23 June 2003	11/07/2003

Name and mailing address of the ISA	Authorized officer
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	Schueler, D

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Int[illegible]al 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	DATABASE WPI Section Ch, Week 199942 Derwent Publications Ltd., London, GB; Class A14, AN 1999-497144 XP002245114 & JP 11 210942 A (ASAHI GLASS CO LTD), 6 August 1999 (1999-08-06) abstract	1

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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