

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
3 January 2002 (03.01.2002)

PCT

(10) International Publication Number
WO 02/000777 A3

(51) International Patent Classification⁷: **C09D 127/12**,
C08L 27/12, C08F 259/08, C08J 3/16, 3/24 // (C08L
27/12, 27:12)

(21) International Application Number: PCT/US00/29168

(22) International Filing Date: 20 October 2000 (20.10.2000)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
09/604,139 27 June 2000 (27.06.2000) US

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(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ,
DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR,
HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,
NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM,
TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian
patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European
patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE,
IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG,
CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
7 August 2003

*For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.*

(54) Title: COMPOSITIONS COMPRISING FLUOROELASTOMER AND THERMOPLASTIC FLUOROCOPOLYMER

(57) Abstract: Cured, latex-blended compositions featuring a fluoroelastomer and a fluoroplastic, and curable core-shell polymers having a fluoroelastomer precursor-containing shell and a fluoroplastic-containing core.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/29168

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C09D127/12 C08L27/12 C08F259/08 C08J3/16 C08J3/24
 //(C08L27/12,27:12)

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 C09D C08L C08F C08J

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)

EP0-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,X	EP 1 031 606 A (AUSIMONT SPA) 30 August 2000 (2000-08-30) claims; examples 4,6 ---	1-3, 8-11,13, 14,16,21
X	DE 199 09 574 A (NIPPON MEKTRON) 9 September 1999 (1999-09-09) example 5 ---	1-4,8,9, 12,14, 16,21
X	EP 0 894 837 A (DAIKIN IND LTD) 3 February 1999 (1999-02-03) claims; examples ---	1-5,15, 16
A	EP 0 168 020 A (DU PONT) 15 January 1986 (1986-01-15) page 1, line 15 --- -/--	1,21



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

° Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *G* document member of the same patent family

Date of the actual completion of the international search

28 April 2003

Date of mailing of the international search report

06.06.2003

Name and mailing address of the ISA

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INTERNATIONAL SEARCH REPORT

Internat Application No

PCT/US 00/29168

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 127 407 A (DU PONT) 5 December 1984 (1984-12-05) example 6 -----	17

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/29168

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☒ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☒ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-16 21-24

A polymeric composition characterised by

- a) a blend formed from two latex components,
- b) said blend being crosslinked, cured
- c) the nonelastomeric constituent having a melting point above 100 °C.

2. Claims: 17-20

A polymer characterised by

- a) a core shell structure
- b) the shell constituent being elastomeric
- c) the core constituent being thermoplastic
- d) the polymer being in the uncured state
- e) the elastomeric shell constituent having a melting point below 100 °C

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/29168

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
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