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28 June 2001
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(54) Title: **CROSSLINKABLE WATERBORNE COATING**

(57) Abstract: A waterborne coating having improved chemical resistance produced from a composition containing a binder resin having post crosslinking groups, an associative thickener having post crosslinking groups and an associative dispersant having post crosslinking groups.

INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 00/15794

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C09D5/02 C09D157/00 //(C09D157/00,157:04)

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

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)
WPI Data, CHEM ABS Data, EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 409 459 A (ROHM & HAAS) 23 January 1991 (1991-01-23) the whole document ---	1
X	EP 0 811 663 A (ROHM & HAAS) 10 December 1997 (1997-12-10) the whole document ---	1
X	EP 0 875 540 A (ATOCHEM ELF SA) 4 November 1998 (1998-11-04) examples 1,2; table 3 ---	1
X	EP 0 875 542 A (ATOCHEM ELF SA) 4 November 1998 (1998-11-04) claim 9; example 3 ---	1,2,7
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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	*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
E earlier document but published on or after the international filing date	*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
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)	*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.
O document referring to an oral disclosure, use, exhibition or other means	* & * document member of the same patent family
P document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 2 October 2000	Date of mailing of the international search report 14.12.2000
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Name and mailing address of the ISA 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	Authorized officer Schueler, D
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 00/15794

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	EP 0 989 163 A (AKZO NOBEL NV) 29 March 2000 (2000-03-29) claims; examples ---	1, 2, 8, 14
X	WO 98 52980 A (EASTMAN CHEM CO) 26 November 1998 (1998-11-26) claims	1-8
X	example 18	3, 10
A	example 27	6, 12
T	INTERNATIONAL UNION OF PURE AND APPLIED CHEMISTRY - MACROMOLECULAR DIVISION - COMMISSION ON MACROMOLECULAR NOMENCLATURE : "glossary of basic terms in polymer science" PURE & APPLIED CHEMISTRY, vol. 68, no. 12, 1996, pages 2287-2311, XP000933983 PERGAMON PRESS, OXFORD, GB ISSN: 0033-4545 * definition 1.9 * -----	3

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/15794

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:
see FURTHER INFORMATION sheet PCT/ISA/210

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:

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

Continuation of Box I.2

Present claims 3 8 10 11 relate to a compound/products defined (inter alia)

by reference to the following parameter(s):

P1:"macromonomer"

The use of this parameter in the present context is considered to lead to a lack of clarity within the meaning of Article 6 PCT. It is impossible to compare the parameter the applicant has chosen to employ with what is set out in the prior art. The lack of clarity is such as to render a meaningful complete search impossible. Consequently, the search has been restricted to a monomer as defined by the formula given in page 12 line 15 of the application as filed.

The applicant's attention is drawn to the fact that claims, or parts of claims, relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/US 00/15794

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