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A3

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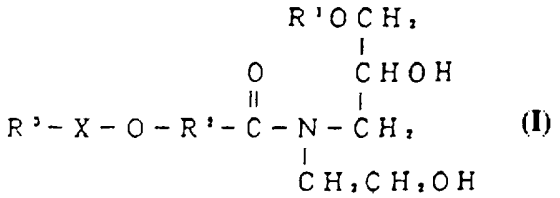
With international search report.

(88) Date of publication of the international search report:
21 July 1994 (21.07.94)

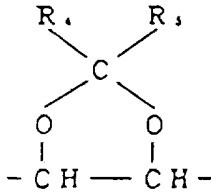
(54) Title: AMIDE DERIVATIVES AND DERMATOLOGIC PREPARATIONS CONTAINING THE SAME

(57) Abstract

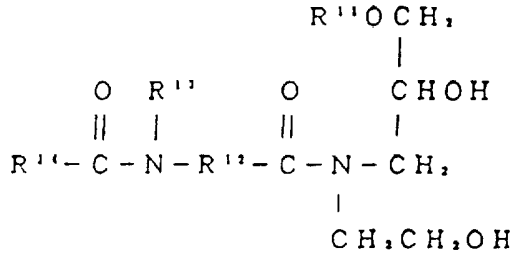
The amide derivative of the present invention is one represented by general formula (I) or (II). The dermatologic preparation of the present invention is one containing said amide derivative. In formula (I), R^1 represents a straight-chain or branched, saturated or unsaturated hydrocarbon group carrying 10 to 40 carbon atoms; R^2 represents a straight-chain or branched, saturated or unsaturated hydrocarbon group carrying 3 to 39 carbon atoms; R^3 represents a group containing at least one group represented by formula (A), wherein R^4 and R^5 each represents a hydrogen atom or a straight-chain or branched or cyclic, saturated or unsaturated hydrocarbon group, or R^4 and R^5 may form a hydrocarbon group together; and X represents (B). In formula (II), R^{11} represents a straight-chain or branched hydrocarbon group carrying 10 to 40 carbon atoms; R^{12} represents a straight-chain or branched hydrocarcon group carrying 1 to 39 carbon atoms; R^{13} represents a hydrogen atom or a hydrocarbon group carrying 1 to 6 carbon atoms; and R^{14} represents a hydrogen atom or a hydrocarbon group having a straight-chain, branched or cyclic structure and carrying 1 to 40 carbon atoms which may contain an oxygen atom.



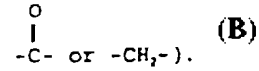
(I)



(A)



(II)



(B)

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INTERNATIONAL SEARCH REPORT

Intern nal Application No
PCT/JP 93/01676

A. CLASSIFICATION OF SUBJECT MATTER
IPC 5 C07D317/30 C07D317/22 C07C237/22 A61K7/48

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 5 C07D C07C

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)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP,A,0 398 272 (KAO) 22 November 1990 see page 3, line 5 - page 4, line 37; claims; examples 6-8	1-4
A	EP,A,0 495 624 (UNILEVER PLC) 22 July 1992 see claims; examples	1-4
A	EP,A,0 455 429 (UNILEVER PLC) 6 November 1991 see claims; examples	1-4

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

☒ Patent family members are listed in annex.

* Special categories of cited documents :

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

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"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.

"&" document member of the same patent family

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Date of the actual completion of the international search	Date of mailing of the international search report
27 April 1994	10. 05. 94
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 Zervas, B

Form PCT/ISA/210 (second sheet) (July 1992)

INTERNATIONAL SEARCH REPORT

:rnational application No.
PCT/JP 93/01676

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:

1. Claims 1,3 (partially), 4 (partially)
2. Claims 2,3 (partially), 4 (partially)

For further information please see Form PCT/ISA/206 mailed 02.03.94

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 searches 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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/JP 93/01676

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
EP-A-0398272	22-11-90	JP-A-	2306949	20-12-90
		JP-A-	2306952	20-12-90
		US-A-	5175321	29-12-92
		US-A-	5221757	22-06-93
EP-A-0495624	22-07-92	AU-B-	641886	30-09-93
		AU-A-	1018992	23-07-92
		JP-A-	4342553	30-11-92
		US-A-	5206020	27-04-93
EP-A-0455429	06-11-91	AU-B-	639323	22-07-93
		AU-A-	7593991	07-11-91
		JP-A-	4225907	14-08-92
		US-A-	5208355	04-05-93