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(54) Title: PEPTIDE BASED COSMETIC OR DERMATOLOGICAL TREATMENT OF THE SKIN AND ITS APPENDAGES

(57) Abstract: The treatment according to the invention provides the use of at least one peptide having the general Formula X-(Xaa)<sub>n</sub>K\*TTK\*X'aa-(Xaa)<sub>m</sub>-Z for a non-therapeutic cosmetic treatment of keratinous tissues of the skin and of its appendages. In the Formula, K\* is selected from lysine, hydroxylysine, ornithine, diaminobutyric acid or diaminopropionic acid or their formylated, acetylated, trifluoroacetylated, methanesulfonylated or succinylated derivatives, both K\* being identical or different; (Xaa)<sub>n</sub> and (Xaa)<sub>m</sub> correspond independently of one another to a sequence of n or m amino acids Xaa selected independently of one another from Gly, Ala, Pro, Val, Leu, Ile and Phe, with n and m being integers which can be equal or different and comprised between 0 and 5; X'aa is selected from threonine and serine; At the N-terminal end X is selected from H, -CO-R<sup>1</sup>, -SO<sub>2</sub>-R<sup>1</sup> or a biotinoyl group; At the C-terminal end Z is selected from OH, OR<sup>1</sup>, NH<sub>2</sub>, NHR<sup>1</sup> or NR<sup>1</sup>R<sup>2</sup>; and R<sup>1</sup> and R<sup>2</sup> being, independently of one another, selected from an alkyl, aryl, aralkyl, alkylaryl, alkoxy, saccharide and aryloxy group, which can be linear, branched, cyclic, polycyclic, unsaturated, hydroxylated, carbonylated, phosphorylated and/or sulfurated, said group having from 1 to 24 carbon atoms and the possibility of having in its backbone one or more O, S and/or N heteroatoms. A preferred peptide is the Pal-KTTKS.

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## INTERNATIONAL SEARCH REPORT

International application No

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## A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K8/64 A61K8/81 A61Q19/00 A61K8/39  
ADD.

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)

A61K A61Q

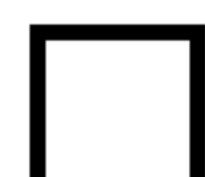
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

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 2016/074302 A1 (OSBORNE ROSEMARIE [US] ET AL) 17 March 2016 (2016-03-17)<br>claims 1-19<br>paragraph [0071] - paragraph [0080]<br>----- | 1-19                  |
| X         | WO 2019/185696 A1 (INFINITEC ACTIVOS S L [ES]) 3 October 2019 (2019-10-03)<br>claims 1-17<br>-----                                         | 1-19                  |
| X         | FR 3 021 319 A1 (SEDERMA SA [FR])<br>27 November 2015 (2015-11-27)<br>page 8, line 29 - page 9, line 8<br>claims 1-17<br>-----             | 1-19                  |
| X         | US 2019/105261 A1 (WAUGH JACOB M [US] ET AL) 11 April 2019 (2019-04-11)<br>example 8<br>paragraph [0137] - paragraph [0173]<br>-----       | 1-19                  |



Further documents are listed in the continuation of Box C.



See patent family annex.

\* Special categories of cited documents :

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"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

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"&amp;" document member of the same patent family

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# INTERNATIONAL SEARCH REPORT

International application No.

PCT/EP2020/077974

## Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of a sequence listing:
  - a. ☒ forming part of the international application as filed:
    - ☒ in the form of an Annex C/ST.25 text file.
    - ☒ on paper or in the form of an image file.
  - b. ☐ furnished together with the international application under PCT Rule 13~~ter~~.1(a) for the purposes of international search only in the form of an Annex C/ST.25 text file.
  - c. ☐ furnished subsequent to the international filing date for the purposes of international search only:
    - ☐ in the form of an Annex C/ST.25 text file (Rule 13~~ter~~.1(a)).
    - ☐ on paper or in the form of an image file (Rule 13~~ter~~.1(b) and Administrative Instructions, Section 713).
2. ☐ In addition, in the case that more than one version or copy of a sequence listing has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that forming part of the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:



# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2020/077974

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