Abstract: Described herein are compositions and methods for treating hyperkeratosis disorders such as dandruff, psoriasis, acne vulgaris, warts, corns, calluses, palmoplantar keratodermas, ichthyosis, seborrheic dermatitis, meibomian gland dysfunction, HPV infection, lichen planus, aclinic keratosis, seborrheic keratosis, etc. Said compositions comprise a selenium-containing amino acid as keratolytic agent, and are topically administered to the skin or eyelid margin of the patient. In some embodiments, the composition comprises a selenium-containing amino acid such as selenium methionine or selenium cysteine formulated in an ophthalmic, dermatological, or cosmetic dosage form.
INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 17/00638

A. CLASSIFICATION OF SUBJECT MATTER
IPC(8) - A61 K31/198; C07C 391/00 (2017.01)
CPC - A61 K31/198; C07C 391/00; A61 K9/107

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)
See Search History Document

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

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

C. DOCUMENTS CONSIDERED TO BE RELEVANT

<table>
<thead>
<tr>
<th>Category</th>
<th>Citation of document, with indication, where appropriate, of the relevant passages</th>
<th>Relevant to claim No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Y</td>
<td>US 7,776,915 B2 (MORARIU) 17 August 2010 (17.08.2010) col 2, ln 59-60; col 25, ln 58 to col 26, ln 5</td>
<td>3, 12, 22, 24</td>
</tr>
<tr>
<td>Y</td>
<td>US 6,495,158 A (Buseman et al.) 17 December 2002 (17.12.2002) col 4, ln 21-60; col 5, ln 7-21; col 6, ln 17-30</td>
<td>12, 22</td>
</tr>
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<td>Y</td>
<td>US 2013/0064788 A1 (Barnes et al.) 14 March 2013 (14.03.2013) para [0182], [0195], [0197], [0200]</td>
<td>24</td>
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<td>A</td>
<td>US 2015/0328290 A1 (Aqua Bio Technology ASA) 19 November 2015 (19.11.2015) para [0017], [0029], [0029], [0157], [0158], [0161], [0165], [0180], [0187], [0196], [0200], [0202], [0206]</td>
<td>1-24</td>
</tr>
</tbody>
</table>

Further documents are listed in the continuation of Box C. See patent family annex.

*Special categories of cited documents:
“A” document defining the general state of the art which is not considered to be of particular relevance
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“P” document published prior to the international filing date but later than the priority date claimed

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“G” document member of the same patent family

Date of the actual completion of the international search
29 September 2017 (29.09.2017)

Date of mailing of the international search report
3 Oct 2017

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Form PCT/ISA/2 10 (second sheet) (January 2015)