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(71) Applicant: **MARY KAY INC.** [US/US]; 16251 N Dallas  
Parkway, Addison, Texas 75001 (US).

(72) Inventors: **CARLE, Tiffany**; c/o Mary Kay Inc., 16251  
N Dallas Parkway, Addison, Texas 75001 (US). **HINES,**  
**Michelle**; c/o Mary Kay Inc., 16251 N Dallas Parkway, Ad-

dison, Texas 75001 (US). **GAN, David**; c/o Mary Kay Inc.,  
16251 N Dallas Parkway, Addison, Texas 75001 (US).

(74) Agent: **BARRETT, Tamsen**; Norton Rose Fulbright US  
LLP, 98 San Jacinto Blvd, Suite 1100, Austin, Texas 78701  
(US).

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kind of national protection available): AE, AG, AL, AM,  
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ,  
CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO,  
DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN,  
HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP,  
KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME,  
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,  
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,  
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN,  
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kind of regional protection available): ARIPO (BW, GH,

## (54) Title: COSMETIC COMPOSITIONS

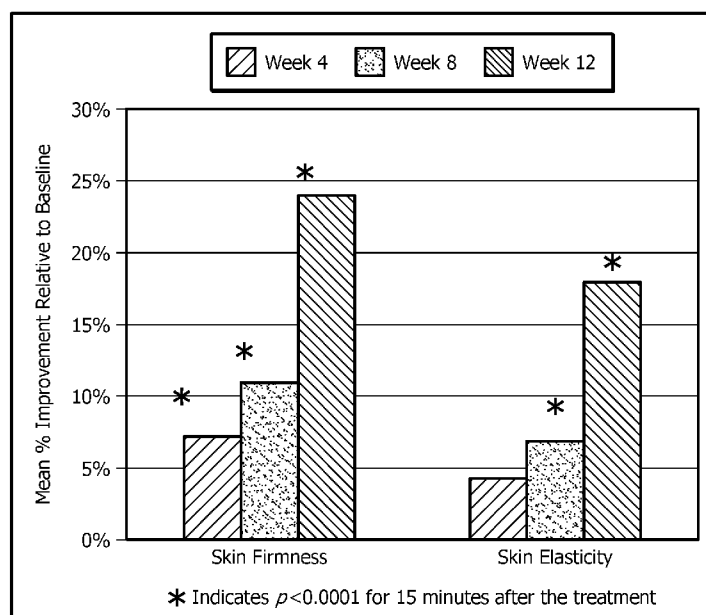


FIG. 2

(57) **Abstract:** Disclosed are compositions and methods for their use for cosmetic applications. The composition can include *Schisan-dra chinensis* fruit extract, *Secale cereale* (rye) seed extract, *Centella asiatica* meristem cell culture, *Alpinia galangal* leaf extract, di-hydroxymethyl chromone, tripeptide-1, tetradecyl aminobutyrylvalylaminobutyric urea trifluoroacetate, *Alteromonas* ferment filtrate, *Pisum sativum* (pea) extract, or combinations thereof. An effective amount of the composition can be applied on skin to inhibit pro-duction of TNF- $\alpha$  production, tyrosinase, and/or elastase in skin, inhibit the Matrix Metalloproteinase Enzyme activity in skin, and/or promote the production of fibronectin, collagen, elastin, laminin, and/or hyaluronic acid in skin.



GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,  
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,  
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,  
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,  
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,  
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,  
KM, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

**Published:**

- *with international search report (Art. 21(3))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

**(88) Date of publication of the international search report:**

30 July 2020 (30.07.2020)

## INTERNATIONAL SEARCH REPORT

International application No  
PCT/US2019/065336

## A. CLASSIFICATION OF SUBJECT MATTER

INV. A61Q19/00 A61K8/9789 A61K8/64  
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)

A61Q A61K

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         | DATABASE GNPD [Online]<br>MINTEL;<br>20 November 2018 (2018-11-20),<br>anonymous: "Moisture Activating Serum",<br>XP055674998,<br>retrieved from www.gnpd.com<br>Database accession no. 6078335<br>the whole document | 1                     |
| Y         | -----<br>WO 2012/154949 A2 (MARY KAY INC [US];<br>FLORENCE TIFFANY [US] ET AL.)<br>15 November 2012 (2012-11-15)<br>claims<br>-----<br>-/-                                                                            | 1-20                  |



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

"E" earlier application or patent 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

"&" document member of the same patent family

Date of the actual completion of the international search

9 March 2020

Date of mailing of the international search report

23/06/2020

Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040,  
Fax: (+31-70) 340-3016

Authorized officer

Cismaru, L

## INTERNATIONAL SEARCH REPORT

International application No

PCT/US2019/065336

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages                                                                                       | Relevant to claim No.             |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| X         | KR 2015 0091289 A (BIO FD & C [KR])<br>10 August 2015 (2015-08-10)                                                                                                       | 1,2,4,<br>6-8,<br>10-12,<br>19,20 |
| Y         | abstract<br>-----                                                                                                                                                        | 1-20                              |
| X         | WO 2005/044289 A2 (COGNIS FRANCE SA [FR];<br>HENRY FLORENCE [FR] ET AL.)<br>19 May 2005 (2005-05-19)                                                                     | 1,2,6-8,<br>10-12,<br>19,20       |
| Y         | claims; examples<br>-----                                                                                                                                                | 1-20                              |
| X         | US 2010/178286 A1 (SMITH WALTER P [US])<br>15 July 2010 (2010-07-15)                                                                                                     | 1,2,6-8,<br>10-12,<br>19,20       |
| Y         | claims<br>examples                                                                                                                                                       | 1-20                              |
| X         | BASF: "The Essentials by Beauty Creations<br>- Cosmetic actives for skin & hair care",<br>BASF CATALOGUE,,<br>11 September 2012 (2012-09-11), page 28pp,<br>XP009187184, | 1,2,6-8,<br>10-12,<br>17-20       |
| Y         | pages 9,15<br>-----                                                                                                                                                      | 1-20                              |
| X         | RO 131 476 A0 (ISAC MIHAELA SIMONA [RO])<br>29 November 2016 (2016-11-29)                                                                                                | 1,2,4,<br>6-8,<br>10-12,<br>19,20 |
| Y         | claims; examples<br>-----                                                                                                                                                | 1-20                              |

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US2019/065336

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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 No. III Observations where unity of invention is lacking (Continuation of item 3 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 fees, this Authority did not invite payment of additional fees.
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.:

1-20(partially)

### Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- ☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- ☐ 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: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising Schisandra chinensis fruit extract.

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2. claims: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising Secale cereale (rye) seed extract.

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3. claims: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising Centella asiatica meristem cell culture.

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4. claims: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising Alpinia galangal leaf extract.

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5. claims: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising dihydroxymethyl chromone.

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6. claims: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising tripeptide-1.

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7. claims: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising tetradecyl aminobutyrylvalylaminobutyric urea trifluoroacetate.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

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8. claims: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising *Alteromonas* ferment filtrate.

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9. claims: 1-20(partially)

A method of improving a condition or appearance of skin comprising applying to the skin an effective amount of a topical composition comprising *Pisum Sativum* (pea) extract.

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2019/065336

| Patent document<br>cited in search report | Publication<br>date | Patent family<br>member(s) | Publication<br>date           |
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