



## SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:  
EP 21 78 83 24

**Classification of the application (IPC):**  
A61K 8/34, A61K 8/36, A61K 8/67, A61K 8/42, A61Q 19/00

**Technical fields searched (IPC):**  
A61K, A61Q

DOCUMENTS CONSIDERED TO BE RELEVANT		
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
Y	US 2007172436 A1 (ZHANG JERRY [US]) 26 July 2007 (2007-07-26) * paragraph [0001] - paragraph [0012]; examples 8,14 *	1-4
Y	WO 2005070380 A1 (SKINCEUTICALS INC [US]; ZIELINSKI JAN E [US]; PINNELL SHELDON R [US]) 04 August 2005 (2005-08-04) * paragraph [0001] - paragraph [0008]; examples 1-4; table 1 *	1-4
Y	US 10149808 B2 (OREAL [FR]) 11 December 2018 (2018-12-11) * column 1, line 6 - line 11; claims; example 2 *	1-4
X	JP H05229927 A (KAO CORP) 07 September 1993 (1993-09-07) * example 5 *	4
X	<b>ANONYMOUS:</b> "24hr moisturizing anti-fatigue concentrate" <i>GNPD</i> , <i>MINTEL</i> , 31 March 2010 (2010-03-31), XP002762818 * the whole document *	4
A	WO 9639119 A1 (NEUTROGENA CORP [US]; MATHER KAMRAN [US]; STAHL CHRISTOPHER RYAN [US]) 12 December 1996 (1996-12-12) * example 2 *	1-4
A	US 6361783 B2 (REULON CONSUMER PRODUCTS CORP [US]) 26 March 2002 (2002-03-26) * the whole document *	1-4

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 26 April 2024	Examiner Loloiu, Teodora
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### CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
O: non-written disclosure	D: document cited in the application
& : member of the same patent family, corresponding document	L: document cited for other reasons

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### LACK OF UNITY OF INVENTION

The Search Division considers that the present European patent application does not comply with the requirements of unity of invention and relates to several inventions or groups of inventions, namely:

**1. claims: 1-4**

A storage stable topical composition comprising:a. 5% to 28% by weight ascorbic acid;b. 5% to 20% by weight of a urea agent;c. 0.1% to 5% by weight of a cinnamic acid or derivative thereof; andd. less than 10% by weight in total of one or more optional additional components;e. dissolved in a non-aqueous skin-compatible solvent comprising polyol, C(i-6 ) alkanediol, glycol ether, dimethyl ether, or a combination thereof; wherein the ascorbic acid is dissolved at a concentration (AA) that is above its maximum concentration in the solvent alone (X), and the urea is dissolved at a concentration that is at least (AA-X)\*1.25.

**2. claims: 5-7**

A storage stable topical composition comprising:a. 5% to 28% by weight ascorbic acid;b. 5% to 20% by weight of a urea agent;c. 2% to 30% by weight of a chemical exfoliant; andd. less than 10% by weight in total of one or more optional additional components;e. dissolved in a non-aqueous skin-compatible solvent comprising polyol, C(2-6 ) alkanediol, glycol ether, dimethyl ether, ethanol, isopropyl alcohol, or a combination thereof, wherein the ascorbic acid is dissolved at a concentration [AA] that is above its maximum concentration in the solvent alone [X], and the urea is dissolved at a concentration that is at least ([AA]-[X])\*1.25,

**3. claims: 8, 9**

A storage stable topical liquid composition comprising:a. 5% to 28% by weight ascorbic acid;b. 5% to 20% by weight of a sugar alcohol agent; andc. less than 10% by weight in total of one or more optional additional components;d. dissolved in a non-aqueous skin-compatible solvent comprising polyol, C(1-6 ) alkanediol, glycol ether, dimethyl ether, or a combination thereof,

**4. claims: 10, 11**

A storage stable topical emulsion composition comprising:a. an internal phase that is a homogenous solution comprising:1% to 30% by weight of urea agent, dissolved in 10% or more by weight of a non-aqueous skin-compatible solvent selected from polyol, C(1-6 ) alkanediol, glycol ether, dimethyl ether, and a combination thereof; andb. an external phase comprising 10% or more by composition weight of a silicone agent selected from cyclic, linear and branched silicones, a silicone crosspolymer, and a combination thereof, wherein the internal phase is immiscible with and contained within the external phase.

**5. claims: 12-14**

A storage stable topical composition comprising:a. 1% to 20% by weight azelaic acid; and b. 1% to 20% by weight of a urea agent dissolved in a non-aqueous skin-compatible solvent comprising polyol, C(3-6 ) alkanediol, glycol ether, dimethyl ether, or a combination thereof.

None of the further search fees have been paid within the fixed time limit. The present (supplementary) European search report has been drawn up for those parts of the European patent application which relate to the first mentioned in the claims, namely claims: 1-4

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 26 April 2024	Examiner Loloiu, Teodora
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X: particularly relevant if taken alone	P: intermediate document
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& : member of the same patent family, corresponding document	L: document cited for other reasons

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**ANNEX TO SUPPLEMENTARY EUROPEAN  
SEARCH REPORT**

 Application number:  
EP 21 78 83 24

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on 26-04-2024.  
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent document cited in search report		Publication date	Patent family member(s)		Publication date
US 2007172436	A1	26-07-2007	NONE		
WO 2005070380	A1	04-08-2005	AT	E432740 T1	15-06-2009
			EP	1742710 A1	17-01-2007
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