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(54) Title: MULTI-ACTIVE MICROTARGETED ANTI-AGING SKIN CREAM POLYMER TECHNOLOGY

Comprehensive Grading Scale for Assessment of Rhytides, Laxity and Photodamage.

	Descriptive Parameter	Categories of Skin Aging and Photodamage							
Grading Scale		Rhytides	Laxity	Elastosis	Dyschromia	Erythema- Telangiectasia (E-T)	Keratoses	Texture	
0	none	none	nane	none	none	none	none	none	
1	mild	wrinkles in motion, few superficial	localized to nasolabial (nl) folds	early, minimal yellow hue	few (1-3) discrete small (<5mm) lentigines	pink E or few T, localized to single site	few	subtle irregularity	
1.5	mild	wrinkles in motion, few superficial	localized nl and early metolabial I, (ml) folds	yellow hue or early, localized periorbital (po) elastotic beads (eb)	several (3-6), discrete small lentigines	fpine E or several T localized 2 sites	several	mild irregularity in few areas	
2	moderale	wrickles at rest, few, localized, superficial	localized nl/ml folds, early jowels, early submental/sub- mandibular (sm)	yellow hue, localized po eb	multiple (7-10), small lentigenes	red E or multiple T localized to 2 sites	multiple, small	rough in few, localized sites	
2.5	moderate	wrinkles at rest, multiple, localized, superficial	localized prominent nl/ml folds, jowels and sm	yellow hue, po and malar eb	multiple, small and few large lentigines	red E or multiple T, localized to 3 sites	multiple, large	rough in several, localized areas	
3	advanced	wrinkles at rest, multiple, forehead, periorbital and perioral sites, superficial	prominent ni/ml folds, jowels and sm, early neck strands	yellow hue, eb involving po, malar and other sites	many (10-20) small and large lentigines	violaceous E or many T, multiple sites	many	rough in multiple, localized sites	
3.5	advanced	wrinkles at rest, multiple, forehead, periorbital and perioral sites, superficial	deep nl/ml folds, prominent jowels and sm, prominent neck strands	deep yellow hue, extensive eb with little uninvolved skin	Numerous (>20) or multiple large with little uninvolved skin	deep, violaceous E, numerous T throughout	little uninvolved skin	mostly rough. little uninvolved skin	
4	severe	wrinkles throughout, numerous, extensively distributed, deep	marked nl/ml folds, jowels and sm, neck redundancy and strands	deep yellow hue, eb throughout comedones	numerous, extensive, no uninvolved skin	deep, violaceous E, numerous T throughout	no uninvolved skin	rough Ihroughout	

Fig. 1

(57) Abstract: A comprehensive, single agent cosmetic cream or lotion containing a high number of ingredients that target antiaging in a defined manner. The cream or lotion contains a high number and variety of active substances that demonstrate excellent safety and efficacy in all of the various defined categories of skin aging, including but not limited to wrinkles, abnormal pigment or brown spots due to aging of the skin and an unexpectedly high efficacy in the reduction of redness and acne and rosacea blemishes.



INTERNATIONAL SEARCH REPORT

Anternational appropriation No.

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Α.	CLASSIFICATION	ON OF	SUBJECT	MATTER
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FIELDS SEARCHED

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Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) PubWEST; PGPB, USPT, EPAB, JPAB, Thomson Innovation, Dialog skin care protocol, eamination, DNA repair, cellular repair, anti-wrinkle, anti-redness, anti-pigment, anti-UV damage, barrier repair, mollient/moisturizer characteristics, anti-abnormal skin lesions, UV damage reversal, ilex paraguensis, Hordeum barley, ergothioneine et, DOCUMENTS CONSIDERED TO BE RELEVANT Citation of document, with indication, where appropriate, of the relevant passages Category* Relevant to claim No. Υ US 2005/0053637 A1 (Ma'OR et al.) Abstract, para[0011], para[0017], para[0018], para[0022], para[0032], para[0043], para[0044] Alexiades-Armenakas. RHYTIDES, LAXITY AND PHOTOAGING TREATED WITH Υ 1-7 A COMBINATION OF RADIOFREQUENCY, DIODE LASER, AND PULSED LIGHT AND ASSESSED WITH A COMPREHENSIVE GRADING SCALE. JOURNAL OF DRUGS IN DERMATOLOGY SEPTEMBER 2006 ? VOLUME 5 ? ISSUE 8 pp 609-616 page 611 Table 1 WO/2009/127058 A1 (DUPONT et al.) 22 October 2009 (22.10.2009) Abstract, para[0006], Υ 1-7 para[0123], para[0226]-para[0227] Υ US 6,210,660 B1 (KRIPP et al.) 3 April 2001 (03.04.2001) Abstract, col 3, In 50-55, col 7, In 25-6 and 8-26 7 Y US 7,160,560 B2 (PINNELL) 9 January 2007 (09.01.2007) col 3, In 1-10 US 2006/0216251 A1 (MORARIU) 28 September 2006 (28.09.2006) para[0012], para[0030], 8-26 para[0052], para[0061], par[a0065], para[0073], para[0077], para[0096], para[0108], para[0111], para[0113], para[0115], para[0117], para[0120] Further documents are listed in the continuation of Box C. Special categories of cited documents: 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 document defining the general state of the art which is not considered to be of particular relevance "A" "E" earlier application or patent but published on or after the international "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 filing date 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) "1." 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 "O" document referring to an oral disclosure, use, exhibition or other document published prior to the international filing date but later than "&" document member of the same patent family the priority date claimed Date of mailing of the international search report Date of the actual completion of the international search 0 1 FEB 2012 21 December 2011 (21.12.2010) Authorized officer: Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents Lee W. Young P.O. Box 1450, Alexandria, Virginia 22313-1450 PCT Helpdesk: 571-272-4300 Facsimile No. 571-273-3201 PCT OSP: 571-272-7774

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