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[IN/IN]; Laila Pharma Pvt. Ltd., 40-15-14, Brindavan Colony, Vijayawada- 520 007, Andhra Pradesh (IN).

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(54) Title: TOPICAL FORMULATION(S) FOR THE TREATMENT OF INFLAMMATION, SKIN AND MUCOSAL DISORDERS AND OTHER DISEASES THEREOF

(57) Abstract: Nanoemulsified topical formulation comprising curcumin, tetrahydrocurcumin (BDMC) and curcuminoid either alone or in combinations in an amount of 0.001 % to 50% together with one or more pharmaceutically, nutraceutically or dietetically acceptable excipient(s) or inactive ingredients, useful for the treatment of inflammation, various skin disorders, mucosal disorders and other diseases associated or related thereof.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IN 09/00689

<p>A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - A61K 36/906 (2010.01) USPC - 424/756 According to International Patent Classification (IPC) or to both national classification and IPC</p>														
<p>B. FIELDS SEARCHED</p> <p>Minimum documentation searched (classification system followed by classification symbols) USPC - 424/756</p> <p>Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 514/551, 514/679, 514/720; 544/353; 546/340; 560/173; 568/325, 568/646 (see search terms below)</p> <p>Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST (PGPB, USPT, USOC, EPAB, JPAB); Google ***search terms used*** topical, curcumin, niacinamide, topical, nano\$, nanoemulsion, emulsifier, psoriasis, inflammation, human, mammal, applying, paraffin, PEG, cetyl alcohol, stearic acid, stearyl alcohol, glycerol monostearate, lanolin, glycerin, glyceryl monosterate, cetyl alcohol,</p>														
<p>C. DOCUMENTS CONSIDERED TO BE RELEVANT</p> <table border="1"> <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>Wang et al. Enhancing anti-inflammation activity of curcumin through O/W nanoemulsions. Food Chemistry, 15 May 2008, Vol 108, Iss 2, pp. 419-424, especially pg 419, abstract; pg 420, col 1, para 2; pg 421, col 2, para 2; pg 423, col 2, para 1</td> <td>1-12</td> </tr> <tr> <td>Y</td> <td>US 2008/0138417 A1 (Grigsby) 12 June 2008 (12.06.2008) especially para [0011], [0013]-[0014], [0035]-[0036], [0057]-[0058], [0080]-[0081], [0084], [0093], [0095]-[0096]</td> <td>1-12</td> </tr> <tr> <td>Y</td> <td>Aggarwal et al. Anticancer Potential of Curcumin: Preclinical and Clinical Studies. Anticancer Research, 2003, Vol 23, pp 363-398, especially pg 363, abstract</td> <td>10</td> </tr> </tbody> </table>			Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	Y	Wang et al. Enhancing anti-inflammation activity of curcumin through O/W nanoemulsions. Food Chemistry, 15 May 2008, Vol 108, Iss 2, pp. 419-424, especially pg 419, abstract; pg 420, col 1, para 2; pg 421, col 2, para 2; pg 423, col 2, para 1	1-12	Y	US 2008/0138417 A1 (Grigsby) 12 June 2008 (12.06.2008) especially para [0011], [0013]-[0014], [0035]-[0036], [0057]-[0058], [0080]-[0081], [0084], [0093], [0095]-[0096]	1-12	Y	Aggarwal et al. Anticancer Potential of Curcumin: Preclinical and Clinical Studies. Anticancer Research, 2003, Vol 23, pp 363-398, especially pg 363, abstract	10
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<p><input type="checkbox"/> Further documents are listed in the continuation of Box C. <input type="checkbox"/></p>														
<p>* Special categories of cited documents:</p> <table border="0"> <tr> <td>“A” document defining the general state of the art which is not considered to be of particular relevance</td> <td>“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</td> </tr> <tr> <td>“E” earlier application or patent but published on or after the international filing date</td> <td>“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</td> </tr> <tr> <td>“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)</td> <td>“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</td> </tr> <tr> <td>“O” document referring to an oral disclosure, use, exhibition or other means</td> <td>“&” document member of the same patent family</td> </tr> <tr> <td>“P” document published prior to the international filing date but later than the priority date claimed</td> <td></td> </tr> </table>			“A” document defining the general state of the art which is not considered to be of particular relevance	“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	“E” earlier application or patent but published on or after the international filing date	“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	“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)	“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	“O” document referring to an oral disclosure, use, exhibition or other means	“&” document member of the same patent family	“P” document published prior to the international filing date but later than the priority date claimed			
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<p>Date of the actual completion of the international search 29 July 2010 (29.07.2010)</p>		<p>Date of mailing of the international search report 17 AUG 2010</p>												
<p>Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US, Commissioner for Patents P.O. Box 1450, Alexandria, Virginia 22313-1450 Facsimile No. 571-273-3201</p>		<p>Authorized officer: Lee W. Young PCT Helpdesk: 571-272-4300 PCT OSP: 571-272-7774</p>												