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AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG,
ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL,
IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK,
LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW,
MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL,
PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY,
TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA,
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European (AT, BE, BG, CH, CY, CZ, DE, **DK**, EE, ES, FI,
FR, GB, GR, HU, IE, **IS**, **IT**, LT, LU, LV, MC, MT, NL, PL,
PT, **RO**, SE, **SI**, SK, TR), OAPI (BF, **BJ**, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, **MR**, NE, SN, TD, TG).

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv))

Published:

— with international search report

— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) **Date of publication of the international search report:**
4 September 2008

(54) **Title:** WIDE-AREA PARASYSTEMIC TREATMENT OF SKIN RELATED CONDITIONS

(57) **Abstract:** Use of an immunomodulatory, immunostimulatory, or immunosuppressive drug in the manufacture of a medicament for treatment of a skin related disease or disorder, wherein the drug is formulated for topical administration to porated skin having a plurality of pores with predetermined geometry such that the concentration of the drug in combination with the predetermined geometry of the pores are effective in treatment of the skin related disease or disorder. The method of facilitating treatment of a skin related disease or disorder, comprising providing information that a drug is effective in treatment of the skin related disease or disorder; providing information to apply the drug to an area of porated skin comprising a plurality of pores; wherein the information specifies that the area is equal or greater than 1 cm²; wherein the information further specifies that at least some of the plurality of pores have a predetermined geometry; and wherein the predetermined geometry is effective to substantially prevent systemic administration of the drug.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/EP2007/061500

A. CLASSIFICATION OF SUBJECT MATTER

INV. A61K9/00 A61B18/20 A61M37/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. REIDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

A61K A61B

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 practical, search terms used)

EPO-Internal , CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	WO 98/29134 A (ALTEA TECH., INC.) 9 July 1998 (1998-07-09) the whole document -----	1-25
X	WO 00/74767 A (ALTEA TECH., INC.) 14 December 2000 (2000-12-14) the whole document -----	1-25
X	WOAN-RUOH LEE ET AL.: "Microdermabrasion as a novel tool to enhance drug delivery via the skin: an animal study" DERMATOLOGICAL SURGERY, vol. 32, 2006, pages 1013-1022, XP002488199 the whole document ----- -/-	1,18

☒ Further documents are listed in the continuation of Box C

☒ See patent family annex

* Special categories of cited documents

^{1A}" document defining the general state of the art which is not considered to be of particular relevance

^{1E}" earlier document 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)

^{1O}" document referring to an oral disclosure, use, exhibition or other means

^{1P}" document published prior to the international filing date but later than the priority date claimed

^{1T}" 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

15 July 2008

Date of mailing of the international search report

24/07/2008

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

International application No
PCT/EP2007/061500

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No
X	v. ZHAROV ET AL.: "Role of photoacoustic effects occurring at laser perforation of skin and laser transcutaneous drug delivery" PROCEEDINGS OF SPIE -THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING, vol. 3916, 2000, XP000986656 the whole document -----	1,18
A	DATABASE CA CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US; XP002488200 retrieved from STN Database accession no. 142: 169 416 abstract & c. HAERTEL ET AL.: "Dose-dependent immunomodulatory effects of acetylsalicylic acid and indomethacin in human whole blood: potential role of cyclooxygenase-2 inhibition." SCANDINAVIAN JOURNAL OF IMMUNOLOGY, vol. 60, no. 4, 2004, pages 412-420, -----	1,18
P,X	WO 2006/111201 A (PANTEC BIOSOLUTIONS AG) 26 October 2006 (2006-10-26) cited in the application page 32; claims 21-42; figure 9 -----	1,18
P,X	WO 2007/039646 A (PANTEC BIOSOLUTIONS AG) 12 April 2007 (2007-04-12) page 30, line 36 - page 33, line 40; claims 27-50; table 1 -----	1,18

INTERNATIONAL SEARCH REPORT

International application No.
PCT/EP2007/061500

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:

Although claims 6-17, 22-25 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
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:

1. ☐ As all required additional search fees were timely paid by the applicant, this international search report covers allsearchable 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.:

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.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/EP2007/061500

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