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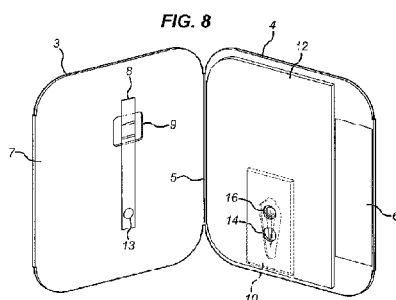
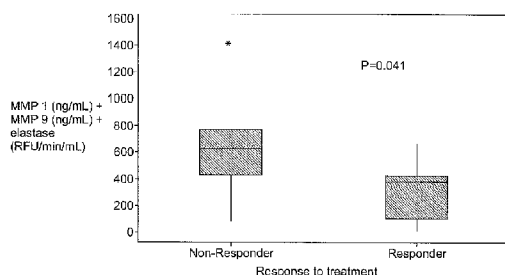
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HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
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DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, 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, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

[Continued on next page]

(54) Title: WOUND PROGNOSIS

FIG. 16
Boxplot of Week 0

(57) Abstract: Methods and devices for determining the healing status of wounds, in particular of chronic wounds are provided. Also provided are kits comprising the diagnostic devices, and methods of wound diagnosis and treatment using the diagnostic devices and methods. A diagnostic apparatus (device) for monitoring wounds that exude a wound fluid and determining whether said wounds would be responsive to treatment with wound therapy such as oxidized cellulose therapy is also provided along with kits comprising the diagnostic apparatus and a wound dressing. Furthermore, methods of prognosing and treating wounds that exude a wound fluid are also provided.



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- *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))*
- *with sequence listing part of description (Rule 5.2(a))*
- (88) Date of publication of the international search report:**
1 November 2012

INTERNATIONAL SEARCH REPORT

International application No

PCT/GB2012/050199

A. CLASSIFICATION OF SUBJECT MATTER

INV. G01N33/573 G01N33/68
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)

G01N

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, BIOSIS, CHEM ABS Data, EMBASE, 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	JOHN F TARLTON ET AL: "Prognostic value of markers of collagen remodeling in venous ulcers", WOUND REPAIR AND REGENERATION, vol. 7, no. 5, 1 September 1999 (1999-09-01), pages 347-355, XP55021738, ISSN: 1067-1927, DOI: 10.1046/j.1524-475X.1999.00347.x abstract, figure 7, discussion ----- -/--	1-12



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

3 August 2012

Date of mailing of the international search report

22/08/2012

Name and mailing address of the ISA/

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Behrens, Ralf

INTERNATIONAL SEARCH REPORT

International application No.

PCT/GB2012/050199

Box No. I Nucleotide and/or amino acid sequence(s) (Continuation of item 1.c of the first sheet)

1. With regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed invention, the international search was carried out on the basis of:
 - a. (means)
☐ on paper
☒ in electronic form
 - b. (time)
☒ in the international application as filed
☐ together with the international application in electronic form
☐ subsequently to this Authority for the purpose of search
2. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
3. Additional comments:

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2012/050199

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.:
1-12(partially)
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.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-12(partially)

Method of wound prognosis according to claim 1, wherein the MMP determined is MMP-1.

2. claims: 1-12(partially)

Method of wound prognosis according to claim 1, wherein the MMP determined is MMP-2.

3-7. claims: 1-12(partially)

Method of wound prognosis according to claim 1, wherein the MMP determined is MMP-8, -9, 12, 13 and total MMP, respectively.

8. claims: 37-39(completely); 44-61(partially)

Method of predicting responsiveness to wound treatment according to claims 37-38.

9. claims: 40-43(completely); 44-61(partially)

Method of wound treatment according to claims 40-43.

10. claims: 13-36(completely); 44-61(partially)

Apparatus / device according to claims 13, 24, 25. Kit therefor

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2012/050199

C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	M. MULLER ET AL: "Matrix metalloproteinases and diabetic foot ulcers: the ratio of MMP-1 to TIMP-1 is a predictor of wound healing", DIABETIC MEDICINE, vol. 25, no. 4, 1 April 2008 (2008-04-01), pages 419-426, XP55021866, ISSN: 0742-3071, DOI: 10.1111/j.1464-5491.2008.02414.x -----	1-12
A	WO 03/040406 A2 (JOHNSON & JOHNSON MEDICAL LTD [GB]; CULLEN BREDA MARY [GB]) 15 May 2003 (2003-05-15) -----	1-12
A	WO 2006/030232 A2 (ETHICON INC [US]; CULLEN BREDA MARY [GB]) 23 March 2006 (2006-03-23) -----	1-12
A	WO 2004/026200 A2 (JOHNSON & JOHNSON MEDICAL LTD [GB]; CULLEN BREDA MARY [GB]; SILCOCK DE) 1 April 2004 (2004-04-01) -----	1-12
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A	TARLTON J F ET AL: "POSTSURGICAL WOUND PROGRESSION MONITORED BY TEMPORAL CHANGES IN THE EXPRESSION OF MATRIX METALLOPROTEINASE-9", BRITISH JOURNAL OF DERMATOLOGY, vol. 137, no. 04, 1 January 1997 (1997-01-01), pages 506-516, XP9015255, UK ISSN: 0007-0963, DOI: 10.1111/j.1365-2133.1997.tb03779.x -----	1-12

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2012/050199

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