



- (51) **International Patent Classification:**
A61B 5/0402 (2006.01) A61B 5/0424 (2006.01)
A61B 5/0408 (2006.01)
- (21) **International Application Number:**
PCT/US2012/035650
- (22) **International Filing Date:**
27 April 2012 (27.04.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/480,789 29 April 2011 (29.04.2011) US
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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, 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, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, 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).

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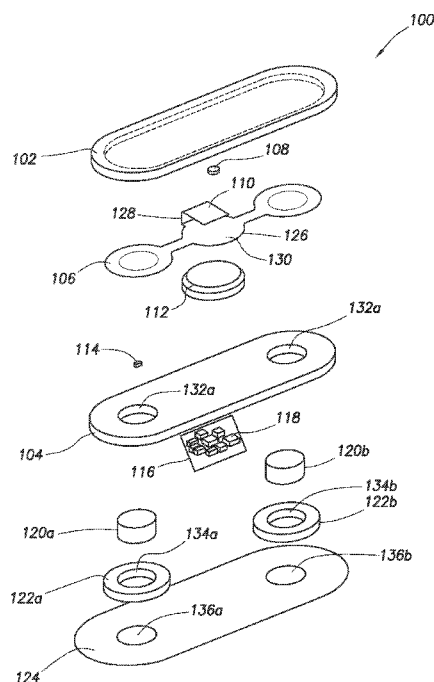
(54) **Title:** BODY ASSOCIATED DEVICE AND METHOD OF MAKING SAME

FIG. 1

(57) **Abstract:** Methods of manufacturing a body associated device are disclosed. The methods include providing an inlay substrate comprising a first side, a second side, and at least one conductive trace and providing an interposer substrate comprising a first side, a second side, and at least one conductive trace. An electrically conductive layer is applied to the first side of the inlay substrate. The at least one conductive trace is electrically coupled to the conductive layer. The first side of the interposer substrate is coupled to the first side of the inlay substrate to form a subassembly. The at least one conductive trace on the interposer substrate is electrically coupled to the at least one conductive trace on the inlay substrate through the electrically conductive layer. A body associated device with a wet electrode manufactured in accordance with a first process is disclosed. A body associated device with a dry electrode manufactured in accordance with a second process is disclosed.

**Published:****(88) Date of publication of the international search report:**

3 January 2013

- *with international search report (Art. 21(3))*
- *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))*

A. CLASSIFICATION OF SUBJECT MATTER*A61B 5/0402(2006.01)i, A61B 5/0408(2006.01)i, A61B 5/0424(2006.01)i*

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)

A61B 5/0402; A61B 5/04; A61N 1/30; A61B 5/145; A61N 1/36; A61N 1/02

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & Keywords: patch, conductive layer, substrate, inlay, interposer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 04926879 A (SEVRIN; CHRISTOPHE JEAN-PAUL et al.) 22 May 1990	1,10
A	See abstract; column 4, line 26 - column 5, line 65; claims 1-12; and figures 1-3,10.	2-9,11-20
A	US 2008-0139953 A1 (BAKER STEVEN D. et al.) 12 June 2008	1-20
	See abstract; paragraphs [0041]-[0055]; claims 1-16; and figures 1-4D.	
A	US 2010-0198034 A1 (THOMAS CHRISTOPHER ALLEN et al.) 05 August 2010	1-20
	See abstract; paragraphs [0125], [0130]-[0134]; claims 1-16; and figures 1,2, 8,10,11.	
A	US 05380271 A (GYORY; J. RICHARD) 10 January 1995	1-20
	See abstract; column 5, line 4 - column 6, line 68; column 9, line 52 - column 10, line 29; claim 1; and figures 1,2,6.	



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"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

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Date of the actual completion of the international search

13 NOVEMBER 2012 (13.11.2012)

Date of mailing of the international search report

14 NOVEMBER 2012 (14.11.2012)

Name and mailing address of the ISA/KR

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Facsimile No. 82-42-472-7140

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/035650

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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US 05380271 A	10.01.1995	None	