



- (51) **International Patent Classification:**
A61B 5/02 (2006.01) *A61B 5/021* (2006.01)
- (21) **International Application Number:**
PCT/US2012/029204
- (22) **International Filing Date:**
15 March 2012 (15.03.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
13/052,279 21 March 2011 (21.03.2011) 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, MD, 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).

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

[Continued on next page]

(54) **Title:** CUFF INTEGRITY DETECTION DURING INFLATION OF AN AUTOMATED BLOOD PRESSURE DEVICE

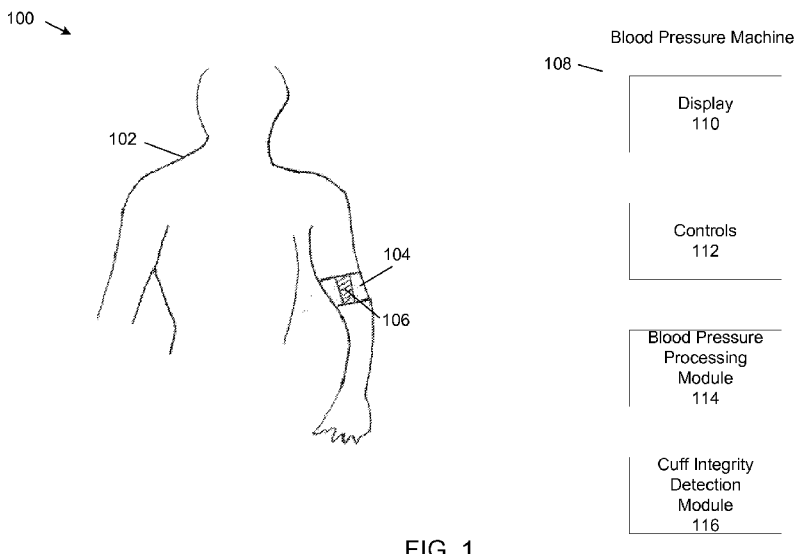


FIG. 1

(57) **Abstract:** A method for detecting cuff slippage in a blood pressure monitoring device includes starting a cuff inflation on the blood pressure monitoring device. A plurality of pressure samples is obtained when the cuff is inflating. A level of background noise is determined during the cuff inflation. The level of background noise is determined from the plurality of pressure samples. When the background noise is determined, a determination is made from the plurality of blood pressure readings whether a pressure pattern indicating cuff slippage is obtained.

WO 2012/129044 A3



— *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))*

(88) Date of publication of the international search report:
6 December 2012

A. CLASSIFICATION OF SUBJECT MATTER*A61B 5/02(2006.01)i, A61B 5/021(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 5/02; A61B 5/022; A61B 5/0225

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: blood pressure, cuff, inflate, pressure, sense, slippage, movement, noise

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 03905353 A (LICHOWSKY ABRAHAM) 16 September 1975 See abstract, column 2, line 53 - column 5, line 10, claims 1-5, and figures 1,2.	1-20
A	US 04493326 A (HILL; JEREMY R. et al.) 15 January 1985 See abstract, column 1, line 57 - column 2, line 35 and claim 1.	1-20
A	US 2009-0156946 A1 (LANE JOHN A. et al.) 18 June 2009 See abstract, paragraphs [0048]-[0051], claims 1,19,20, and figures 1-2.	1-20
A	JP 02-060633 A (KOORIN DENSHI KK) 01 March 1990 See abstract and figure 3.	1-20

 Further documents are listed in the continuation of Box C. See patent family annex.

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"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

27 SEPTEMBER 2012 (27.09.2012)

Date of mailing of the international search report

27 SEPTEMBER 2012 (27.09.2012)

Name and mailing address of the ISA/KR

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2012/029204

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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