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(72) Inventor; and

(71) Applicant : SCOTT, Justin, C. [US/US]; 105 Trail Point,
Sandy Springs, GA 30350 (US).

(74) Agents: HILDEBRANDT, Thomas B. et al.; Thomas /
Horstemeyer LLP, 400 Interstate North Parkway SE, Suite
1500, Atlanta, GA 30339 (US).

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MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM,
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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, KM, ML, MR, NE, SN, TD, TG).

[Continued on next page]

(54) Title: REMOTE ANESTHESIA MONITORING

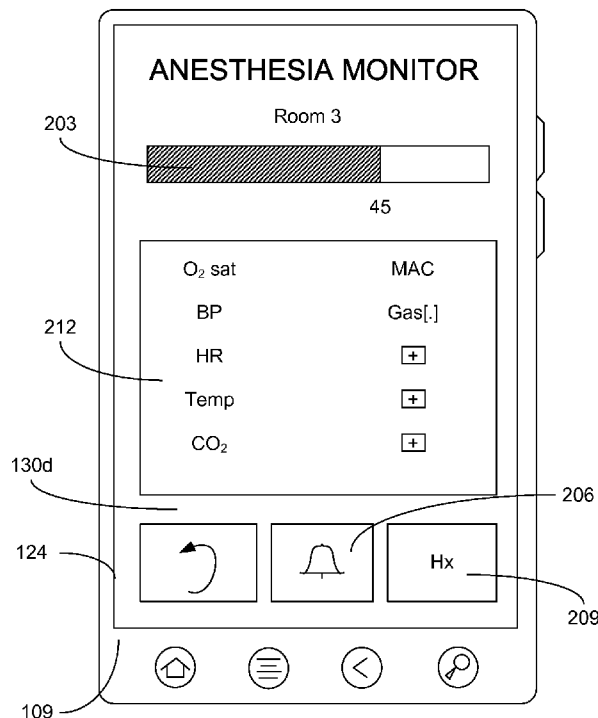


FIG. 2D

(57) Abstract: Disclosed are various embodiments for remote
anesthesia monitoring. For example, anesthesia status information
may be automatically collected from the operating room and
delivered to a specialized application executed by the anes-
thesiologist's mobile device. This allows for increased pa-
tient safety as the current model depends on the nurse anes-
thetist or physician assistant to call the supervising anesthesi-
ologist when a problem is perceived. Through the use of re-
mote monitoring, both the medical doctor and the anesthetist
are now intimately involved in patient care, as compared to
current situations where the medical doctor may be only peri-
pherally involved.



Declarations under Rule 4.17:

— *of inventorship (Rule 4.17(iv))*

— *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))*

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

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2014/072201

A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - A61B 5/00 (2015.01)

CPC - A61B 5/0015 (2015.01)

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)

IPC(8) - A61B 5/00, G06F 19/00 (2015.01)

CPC - A61B 5/0015, 5/0002; G06F 19/323, 19/327, 19/3418 (2015.01)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
USPC - 600/301; 705/7.13, 7.15; 715/810 (keyword delimited)

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

Orbit, Google Patents, Google Scholar.

Search terms used: anesthesia or anaesthesia, remote monitoring, vital signs, mobile device, phone, tablet, physician, operating room, schedule, alert, alarm, notification

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2010/0306858 A1 (MCLAREN et al) 02 December 2010 (02.12.2010) entire document	1-20
Y	US 2011/0137134 A1 (HEMMERLING et al) 09 June 2011 (09.06.2011) entire document	1-20
A	US 6,364,834 B1 (REUSS et al) 02 April 2002 (02.04.2002) entire document	1-20

☐ Further documents are listed in the continuation of Box C. ☐

* Special categories of cited documents:	"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
"A" document defining the general state of the art which is not considered to be of particular relevance	"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
"E" earlier application or patent but published on or after the international filing date	"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
"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)	"&" document member of the same patent family
"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	

Date of the actual completion of the international search

03 March 2015

Date of mailing of the international search report

25 June 2015 (25.06.2015)

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

Authorized officer:

Blaine R. Copenheaver

PCT Helpdesk: 571-272-4300
PCT OSP: 571-272-7774