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- (71) Applicant: **SHOCKWATCH, INC.** [US/US]; 5501 LBJ Freeway, Suite 350, Dallas, TX 75240 (US).
- (72) Inventors: **BRANCH, Clinton, A.**; 164 Timber Ridge Drive, Graham, TX 76450 (US). **WOOLDRIDGE, Phillip, J.**; 35 Bearton Green, Hitchin SG5 1UL (GB). **SMITH, Byron, P.**; 1314 Cliff Drive, Graham, TX 76450 (US).
- (74) Agent: **BAUDINO, James, L.**; The Law Office of James Baudino, PLLC, 2313 Roosevelt Drive, Suite A, Arlington, TX 76016 (US).
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(54) Title: WIRELESS ENVIRONMENTAL SENSOR

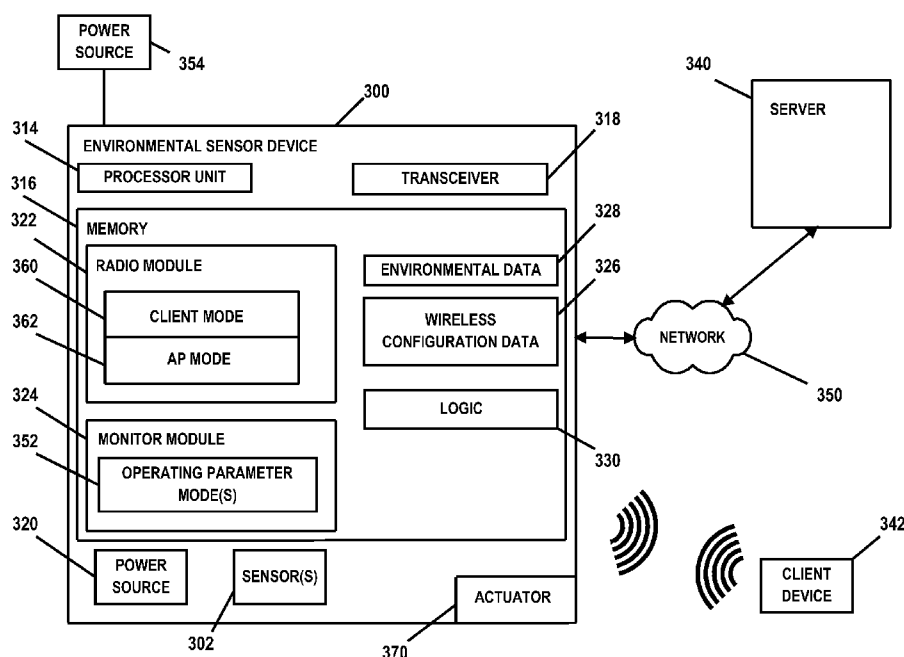


FIG. 3

(57) Abstract: A wireless environmental sensor or monitoring device includes a processor unit, a monitor module for monitoring and collecting data corresponding to an environmental parameter, a radio module configured to enable wireless communication of the data to a remote system, and logic executable by the processor unit to: monitor wireless communication connectivity between the radio module and the remote system; and responsive to detecting a loss of wireless communication connectivity with the remote system, automatically enable a wireless access point (AP) mode of the radio module to initiate a broadcast of a local wireless network identifier to enable a client device to wirelessly locate and connect to the sensor device.



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,
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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2017/032498**A. CLASSIFICATION OF SUBJECT MATTER****H04W 88/06(2009.01)i, H04Q 9/02(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)

H04W 88/06; G06Q 30/02; H04Q 7/00; H04J 3/22; H04L 12/26; H04J 3/16; H04W 4/02; H04L 12/28; H04Q 9/02

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: environmental sensor device, remote system, client device, monitor, collect, loss of wireless communication connectivity, AP mode, local power source, monitor module

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2015-0381443 A1 (AKTIEBOLAGET SKF) 31 December 2015 See paragraph [0038]; claim 1; and figure 2.	15-17, 19-20
A		1-14, 18
Y	US 2009-0201850 A1 (MARC E. DAVIS et al.) 13 August 2009 See paragraphs [0134]-[0136]; and figure 15.	15-17, 19-20
A	US 2006-0056446 A1 (HAK-GOO LEE et al.) 16 March 2006 See paragraphs [0074]-[0075]; claim 1; and figure 5B.	1-20
A	WO 2011-129515 A1 (KOREA ELECTRONICS TECHNOLOGY INSTITUTE) 20 October 2011 See paragraphs [56]-[60]; and figure 5a.	1-20
A	US 2014-0324527 A1 (RAGHAVENDRA KULKARNI et al.) 30 October 2014 See paragraph [0111]; and figure 6.	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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"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

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International Application Division

Korean Intellectual Property Office

189 Cheongsa-ro, Seo-gu, Daejeon, 35208, Republic of Korea

Facsimile No. +82-42-481-8578

Authorized officer

Lee, Eun Kyu

Telephone No. +82-42-481-3580



INTERNATIONAL SEARCH REPORT

Information on patent family members

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