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2,755,459 20 October 2011 (20.10.2011) CA(71) Applicant (for all designated States except US): **ITRON, INC.** [US/US]; 2111 N. Molter Road, Liberty Lake, Washington 99019 (US).

(72) Inventor; and

(75) Inventor/Applicant (for US only): **JOHNSON, Matthew** [US/US]; 3531 West Excell Lane, Spokane, Washington 99208 (US).(74) Agent: **MOOSE, Richard, M.**; Dority & Manning, P.A., P O Box 1449, Greenville, South Carolina 29602-1449 (US).

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[Continued on next page]

(54) Title: TRAFFIC MANAGEMENT AND REMOTE CONFIGURATION IN A GATEWAY-BASED NETWORK

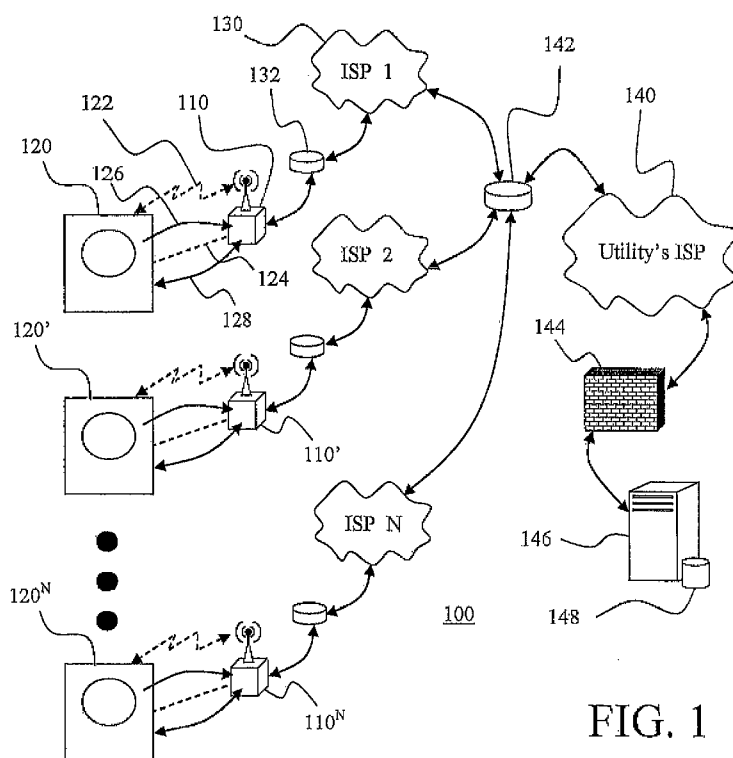


FIG. 1

(57) Abstract: Disclosed are apparatus and methodology for remotely configuring gateway devices in a gateway-based Advanced Metering Infrastructure (AMI) network. Remotely configurable gateway devices are provided for Internet Protocol (IP) communications between consumption measuring devices and a utility central facility. Communications between the gateway device and central facility may be by way of wired or wireless communications and may include configuration information multicast from the central facility to selected gateway devices.

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## INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

IPC(8) - G01R 11/56 (2012.01)

USPC - 705/412

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)

USPC: 705/412

IPC(8): G01R 11/56 (2012.01)

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

USPC: 705/412; 709/217, 709/218, 709/219

IPC(8): G01R 11/56 (2012.01)

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

Dialog Classic; Dialog Web; Google Scholar. Terms: AMI, advanced metering gateway, advanced metering infrastructure, gateway, configuration, network, multicast, consumption, measurement, device, utility, provider, company, information, instructions, server, energy, power, automated, automation, automatic, etc.

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 2009/067262 A2 (Veillette) 28 May 2009 (28.05.2009), entire document especially para [0001], [0085], [0086], [0088], [0124], [0128], [0144], [205], FIG. 1, claims 28, 45, 56	1-18
Y	US 2008/0074285 A1 (Guthrie) 27 March 2008 (27.03.2008), entire document especially para [0007], [0047], [0049], [0056], [0063], FIG. 1, 3	1-18
A	US 2011/0202190 A1 (Venkatakrishnan et al.) 18 August 2011 (18.08.2011), entire document	1-18
A	US 2011/0035510 A1 (Alexander) 10 February 2011 (10.02.2011), entire document	1-18

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

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"A" document defining the general state of the art which is not considered to be of particular relevance

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"&amp;" document member of the same patent family

Date of the actual completion of the international search

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Date of mailing of the international search report

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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:

Lee W. Young

PCT Helpdesk: 571-272-4300

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