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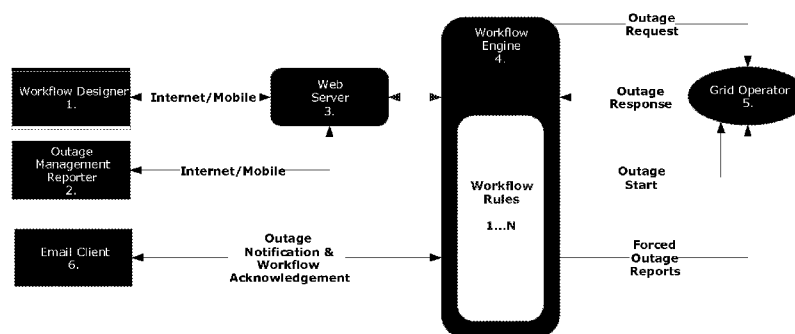
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(54) **Title:** SYSTEMS AND METHODS FOR AUTOMATED AVAILABILITY AND/OR OUTAGE MANAGEMENT



**FIG. 2**

(57) **Abstract:** Systems and methods are provided for instantly and electronically reporting generation outages and/or availability to the grid operator. More specifically, the invention relates to systems for creating outage requests on a mobile device or web interface, accepting outage requests, processing the outage request, submitting the outage request to the grid operator electronically, receiving and communicating acknowledgement of receipt, acceptance or rejection of the outage request and starting the outage when an outage request is approved. In some embodiments, workflow design for processing the outage request may occur on a mobile device or web interface.



## INTERNATIONAL SEARCH REPORT

International application No.  
**PCT/US2011/056224****A. CLASSIFICATION OF SUBJECT MATTER*****H02J 3/04(2006.01)i, H02J 3/38(2006.01)i, H02J 13/00(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)

H02J 3/04; G06F 17/00; H02J 3/14; G05D 17/00; H02J 3/00

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) &amp; Keywords: outage schedule, network communication, outage data, generation, grid

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2004-0102873 A1 (RANDAL RAYMOND STARK et al.) 27 May 2004 See abstract, claims 1-23 and figures 1-5.	1-18
A	JP 2002-218650 A (TOSHIBA CORP) 02 August 2002 See abstract, tables 1,3-5 and figure 1.	1-18
A	US 06058355 A (AHMED; ZAHEER et al.) 02 May 2000 See abstract, claim 9 and figure 1.	1-18
A	EP 2081273 A2 (CURRENT COMMUNICATIONS SERVICES, LLC) 22 July 2009 See abstract, claim 1 and figure 1.	1-18
A	US 2009-0287739 A1 (ZHANG GUORUI et al.) 19 November 2009 See abstract, claims 1-27 and figures 1-8.	1-18



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

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International application No.

**PCT/US2011/056224**

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2004-0102873 A1	27.05.2004	None	
JP 2002-218650 A	02.08.2002	None	
US 06058355A A	02.05.2000	WO 99-00934 A1	07.01.1999
EP 2081273 A2	22.07.2009	US 2009-0187284 A1	23.07.2009
		US 8000913 B2	16.08.2011
US 2009-0287739 A1	19.11.2009	None	