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1 Cyber Pearl, HITEC City, Hyderabad, Andhra Pradesh
500081 (IN).

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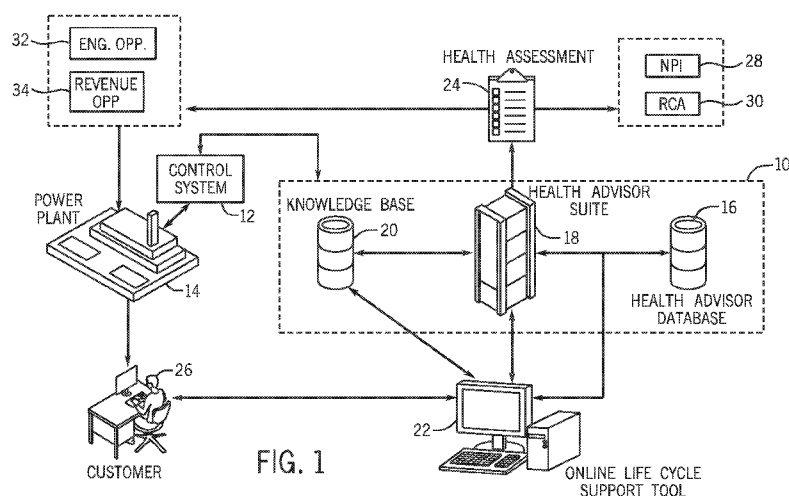
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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

[Continued on next page]

(54) Title: SYSTEMS AND METHODS FOR IMPROVING CONTROL SYSTEM RELIABILITY



(57) Abstract: In one embodiment, a system includes a data collection system configured to collect a data from a control system. The system further includes a configuration management system configured to manage a hardware configuration and a software configuration for the control system based on the data. The system additionally includes a rule engine configured to use the data as input and to output a health assessment by using a rule database configured to store at least one rule, and a report generator configured to provide a health assessment for the control system. The system also includes a rule editor configured to create the at least one rule, update the at least one rule, delete the at least one rule, or a combination thereof.



- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))* — *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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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2013/050478**A. CLASSIFICATION OF SUBJECT MATTER****G06F 15/00(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)

G06F 15/00; G06F 11/30; G06F 11/26; G06G 7/48; G06F 17/60; G06Q 50/00; G06Q 90/00; G06Q 10/00

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) & Keywords: data, health, assessment, advisor, real time

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y A	WO 01-50387 A1 (UMAGIC SYSTEMS, INC.) 12 July 2001 See abstract; claims 1-29, 35; and figure 1.	1, 2, 7-9, 11-13 , 15-17, 19, 20 3-6, 10, 14, 18
Y A	US 2011-0040577 A1 (WARD KEVIN DOMINIC) 17 February 2011 See abstract; paragraphs [0049], [0052]; claim 4; and figures 1, 1a, 5.	1, 2, 7-9, 11-13 , 15-17, 19, 20 3-6, 10, 14, 18
A	US 2008-0141072 A1 (KALGREN PATRICK W. et al.) 12 June 2008 See abstract; claims 1, 7, 9; and figures 1, 2a, 2b.	1-20
A	US 2002-0077849 A1 (HOWARD M. BARUCH et al.) 20 June 2002 See abstract; claims 1, 2; and figure 4.	1-20
A	US 2006-0026035 A1 (WILLIAM YOUNKES et al.) 02 February 2006 See abstract; claims 1, 4-8; and figures 1, 3A, 3B.	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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"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

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"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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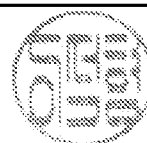
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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2013/050478

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