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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))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

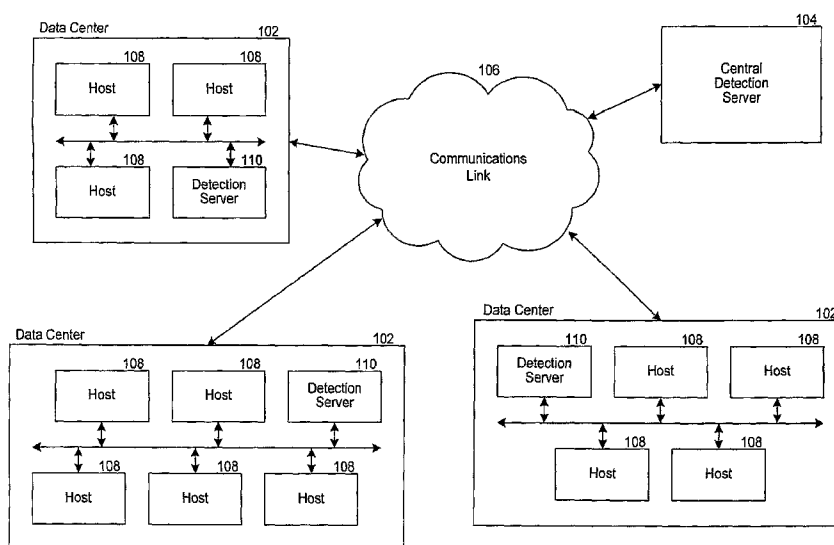
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(54) Title: REAL-TIME DETECTION AND PREVENTION OF BULK MESSAGES



(57) Abstract: A method and system for detecting and preventing bulk messages in real-time is provided. A detection server detects and prevents bulk messages in real-time by analyzing the network traffic pattern of attributes of messages, such as email messages, that are passing through the network against an expected network traffic pattern. The expected network traffic pattern may be specified as a combination of a rate and one or more thresholds, where each threshold has a corresponding status. The rate specifies a quantity of an attribute measured with respect to a quantity of time. A status associated with a threshold is attained when the rate is exceeded the requisite threshold number of times. The status indicates an action that is to be taken in processing the email message containing the attribute. An email message can then be processed in accordance with a status assigned to an attribute of the email message.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2007/016374**A. CLASSIFICATION OF SUBJECT MATTER****G06F 17/00(2006.01)i, G06F 15/16(2006.01)i, G06Q 10/00(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)

IPC8 G06F 17/00

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 since 1975
Japanese Utility models and applications for Utility models since 1975Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
ekipass "message, bulk, junk, prevent, email, detect, identify, key, status, threshold value, time, spam, attribute"**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/0199095 A1 (JEAN CHRISTOPHE BANDINI et al.) 26 DEC. 2002 See abstract; figures 2~4. claims 1,5,31,32,36.	1-20
Y	US 2006/0031306 A1 (TODD DAVID HAVERKOS) 09 FEB. 2006 See abstract; figures 2,5~7. claims 1~4, 7~10.	1-20
Y	KR 10-2002-0063534 A (DEEPSOFT CO., LTD.) 03 AUG. 2002 See abstract; figures 1,4~8. claims 1~4.	1-20
A	US 2005/0160148 A1 (TONNY YU) 21 JUL. 2005 See abstract; figure 2. claims 1,9.	1-20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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"&" document member of the same patent family

Date of the actual completion of the international search

15 JANUARY 2008 (15.01.2008)

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US20020199095A1	26.12.2002	US07117358 US2006282888A1 US470637S1 US7117358BB	03.10.2006 14.12.2006 18.02.2003 03.10.2006
US2006031306A1	09.02.2006	None	
KR1020020063534A	03.08.2002	None	
US2005160148A1	21.07.2005	None	