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(54) Title: MANAGING DATASETS PRODUCED BY ALERT-TRIGGERING SEARCH QUERIES

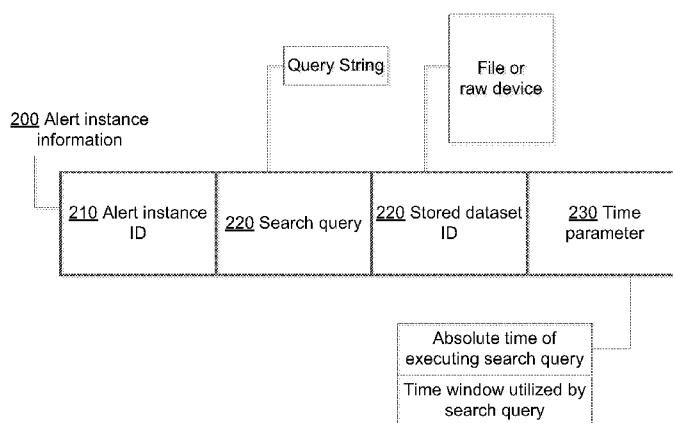


FIG. 2

(57) Abstract: Systems and methods for managing datasets produced by alert-triggering search queries in data aggregation and analysis systems. An example method may comprise: executing, by one or more processing devices, a search query on a portion of searchable data associated with a time window to produce a dataset comprising one or more results; responsive to determining that at least a portion of the dataset satisfies a triggering condition defining an alert associated with the search query, generating an instance of the alert; associating, by a memory data structure, the instance of the alert with an identifier of the search query and a time parameter specifying the time window; receiving, from a client computing device, a request for the portion of the dataset; and responsive to determining that the portion of the dataset is not stored in the memory in a manner associating it with the instance of the alert, re-producing the portion of the dataset by re-executing the search query in view of the time parameter.



INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER		
G06F 17/30(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)		
H04L; G06F		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)		
CPRSABS;DWPI;CNTXT;CNKI;SIPOABS:splunk,search,query,alert,searchable,data,dataset,time window,result,triggering condition,memory,time parameter		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 7984034 B1 (GOOGLE INC) 19 July 2011 (2011-07-19) the whole document	1-30
A	US 2010198563 A1 (PLEWE THOMAS) 05 August 2010 (2010-08-05) the whole document	1-30
A	US 2007100836 A1 (YAHOO INC) 03 May 2007 (2007-05-03) the whole document	1-30
<input type="checkbox"/> Further documents are listed in the continuation of Box C. <input checked="" type="checkbox"/> See patent family annex.		
* Special categories of cited documents:		
“A”	document defining the general state of the art which is not considered to be of particular relevance	“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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“O”	document referring to an oral disclosure, use, exhibition or other means	“&” document member of the same patent family
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Information on patent family members

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Patent document cited in search report			Publication date (day/month/year)	Patent family member(s)			Publication date (day/month/year)
US	7984034	B1	19 July 2011	US	8515934	B1	20 August 2013
US	2010198563	A1	05 August 2010	US	9213785	B2	15 December 2015
US	2007100836	A1	03 May 2007	None			