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(54) Title: SYSTEMS AND METHODS FOR RESPONSE MONITORING

(57) Abstract: Systems and methods for response monitoring are described. A method of generating a measurement for use in calculating an end-user experience metric in a server-based computing environment includes, transmitting a message from a client of the server-based computing environment to an application executing in a user space provided by an operating system of the server, receiving a graphic response for execution by the client from the application, and determining an amount of time elapsed between the transmission of the message and the conclusion of the execution of the graphic response.

#### INTERNATIONAL SEARCH REPORT

International application No PCT/US2006/039309

A. CLASSIFICATION OF SUBJECT MATTER INV. G06F11/34

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

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 practical, search terms used)

### EPO-Internal

ENTS CONSIDERED TO BE RELEVANT	
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
US 6 526 371 B1 (KLEIN PAUL F [US] ET AL) 25 February 2003 (2003-02-25) abstract; column 1, line 17-column 2, line 7; column 2, lines 32-39; column 3, lines 43-53; column 5, lines 62-column 8, line 13	1-72
US 6 917 971 B1 (KLEIN PAUL F [US]) 12 July 2005 (2005-07-12) abstract; column 1, line 40-column 3, line 3;column 4, line 23-column 5, line 3; column 5, lines 38-67;column 6, lines 37-41; column 7, line 44-column 8, lines 53	1-72
	US 6 526 371 B1 (KLEIN PAUL F [US] ET AL) 25 February 2003 (2003-02-25) abstract; column 1, line 17-column 2, line 7; column 2, lines 32-39; column 3, lines 43-53; column 5, lines 62-column 8, line 13  US 6 917 971 B1 (KLEIN PAUL F [US]) 12 July 2005 (2005-07-12) abstract; column 1, line 40-column 3, line 3; column 4, line 23-column 5, line 3; column 5, lines 38-67; column 6, lines 37-41; column 7, line 44-column 8, lines 53

X Further documents are listed in the continuation of Box C.	X See patent family annex.
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Date of the actual completion of the international search  9 October 2007	Date of mailing of the international search report $18/10/2007$
Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31–70) 340–2040, Tx. 31 651 epo nl, Fax: (+31–70) 340–3016	Authorized officer Schneider, Michael

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International application No
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C(Continua	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Х	US 6 587 878 B1 (MERRIAM GREG ELLIOTT [US]) 1 July 2003 (2003-07-01) abstract; column 1, line 51-column line 8; column 5, lines 27-45; column 6, line 46-column 7, line 21; column 8, lines 3-47; column 9, line 14 - column 11, line 51	1-72
A	US 6 141 699 A (LUZZI JOSEPH [US] ET AL) 31 October 2000 (2000-10-31) abstract; column 1, lines 22-47; column 4, lines 47-53; column 5, lines 32-38; column 6, lines 6-14; column 6, lines 55-62; column 9, lines 47-column 10, line 25; column 11, lines 28-34; column 13, line 66-column 14, line 10; column 15, lines 18-40; column 16, lines 33-52	1-72
Α .	US 2003/055883 A1 (WILES PHILIP V [US]) 20 March 2003 (2003-03-20) abstract paragraphs [0123], [0262]	1–72
A	US 2002/116491 A1 (BOYD ERIC L [US] ET AL) 22 August 2002 (2002-08-22) abstract paragraphs [0011], [0014], [0024], [0029] - [0031], [0038], [0071], [0072], [0083], [0084]	1-72
A	US 6 446 028 B1 (WANG GEORGE R [US]) 3 September 2002 (2002-09-03) abstract column 1, line 47 - column 2, line 29 column 6, lines 5-64	1-72
A	WO 00/13373 A (GREEN CATHEDRAL LIMITED [GB]; EVISON RUFUS SIMON TOBIAS [GB]; PUTWAIN) 9 March 2000 (2000-03-09) page 13, columns 13-19	1-72

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/US2006/039309

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 6526371	B1	25-02-2003	NONE			
US 6917971	B1	12-07-2005	NONE			
US 6587878	B1	01-07-2003	US 2	2003 <u>1</u> 95960	A1	 16-10-2003
US 6141699	Α	31-10-2000	NONE			
US 2003055883	A1	20-03-2003	NONE			— ··· — — — — — — — — — — — — — — — — —
US 2002116491	A1	22-08-2002	NONE			——————————————————————————————————————
US 6446028	B1	03-09-2002	NONE			<del></del>
WO 0013373	A	09-03-2000	AT AU AU DE DE EP ES US	241241 768256 5635599 69908079 69908079 1027787 2200546 6763383	B2 A D1 T2 A1 T3	15-06-2003 04-12-2003 21-03-2000 26-06-2003 01-04-2004 16-08-2000 01-03-2004 13-07-2004