



(51) International Patent Classification:

G06F 17/30 (2006.01) G06Q 30/02 (2012.01)
G06F 11/14 (2006.01) H04L 29/08 (2006.01)
H04L 12/26 (2006.01) G06F 21/00 (2013.01)
G06F 11/34 (2006.01)

(21) International Application Number:

PCT/GB2012/000221

(22) International Filing Date:

6 March 2012 (06.03.2012)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

1103862.7 7 March 2011 (07.03.2011) GB
61/457,414 22 March 2011 (22.03.2011) US

(71) Applicant (for all designated States except US):

CELEBRUS TECHNOLOGIES LIMITED [GB/GB];
Suite 15-18, Venture West, New Greenham Park, New-
bury, Berkshire RG19 6HN (GB).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **O'DONNELL, Dara James Edward** [IE/GB]; Celebrus Technologies Limited, Suite 15-18, Venture West, New Greenham Park, Newbury, Berkshire RG19 6HN (GB). **GOLDSPINK, Lincoln Mark Vaughan** [GB/GB]; Celebrus Technologies Limited, Suite 15-18, Venture West, New Greenham Park, Newbury, Berkshire RG19 6HN (GB).

(74) Agents: **FAULKNER, Thomas John** et al.; Cleveland, 10 Fetter Lane, London EC4A 1BR (GB).

(81) Designated States (unless otherwise indicated, for every kind of national protection available):

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

[Continued on next page]

(54) Title: CONTROLLING WEB PAGE BEHAVIOUR

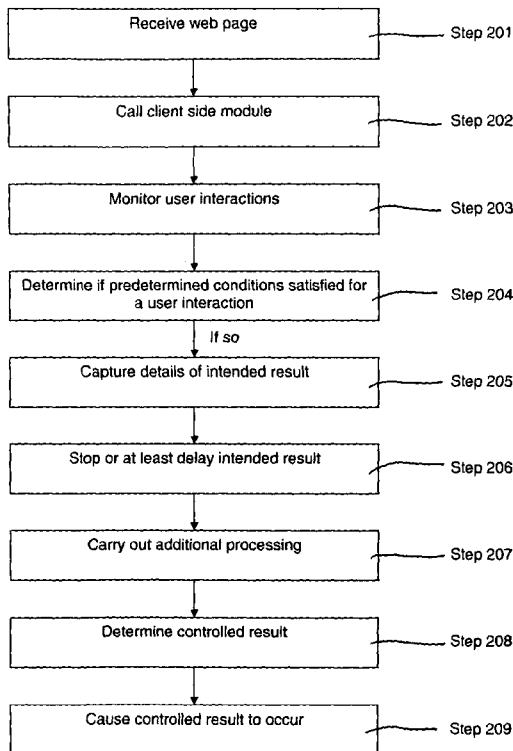


Fig. 2

(57) Abstract: A method of controlling webpage behaviour on a web enabled device 3 in order to assist in, for example, collection of monitoring information, preserving session context, and improving security. The method includes monitoring a user interaction with a webpage (step 203), using a client side module 31 at the web enabled device 3, and determining whether predetermined conditions are satisfied (step 204). Where the predetermined conditions are satisfied the further steps below are carried out: capturing details concerning an intended result of said user interaction (step 205), using the client side module; at least temporarily preventing occurrence of the intended result of said user interaction using the client side module (step 206); carrying out additional processing (step 207) using the client side module; determining a controlled result (step 208), using the client side module, in dependence on said intended result and the additional processing; and causing the controlled result to occur (step 209). The additional processing might, for example, include collecting monitoring information, dynamically re-writing the URL to allow preservation of session context, or performing in checks or modifications to improve security.

WO 2012/120257 A3

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- *with international search report (Art. 21(3))*
- *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))*

(88) Date of publication of the international search report:

25 April 2013

INTERNATIONAL SEARCH REPORT

International application No
PCT/GB2012/000221

A. CLASSIFICATION OF SUBJECT MATTER
 INV. G06F17/30 G06F11/14 H04L12/26 G06F11/34 G06Q30/02
 H04L29/08 G06F21/00
 ADD.
 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 G06Q H04L

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)
 EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 045 547 A2 (NETZERO INC [US]) 18 October 2000 (2000-10-18) paragraph [0004] - paragraph [0060]; figures 1,3,5-8	1-14,19
Y	US 2003/187976 A1 (DECIME JERRY B [US]) 2 October 2003 (2003-10-02) paragraph [0036] - paragraph [0038]; figures 1-3	1-12,19
Y	WO 99/13423 A1 (NARRATIVE COMMUNICATIONS CORP [US]) 18 March 1999 (1999-03-18) page 3, line 19 - page 5, line 6; figure 2	1-12,19
Y	US 2008/270412 A1 (UDAYASANKAR VENKATESWARAN [US] ET AL) 30 October 2008 (2008-10-30) paragraphs [0014] - [0024]	1-14,19

Further documents are listed in the continuation of Box C.

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
- "E" earlier application or patent but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "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

- "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
- "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

Date of the actual completion of the international search 23 April 2012	Date of mailing of the international search report 05/03/2013
---	---

Name and mailing address of the ISA/ European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Fax: (+31-70) 340-3016	Authorized officer Bowler, Alyssa
--	---

INTERNATIONAL SEARCH REPORT

International application No.
PCT/GB2012/000221

Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box No. III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3. As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-14, 19

Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/GB2012/000221

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1045547	A2	18-10-2000	AU 2074300 A
			CA 2299773 A1
			EP 1045547 A2

US 2003187976	A1	02-10-2003	DE 10314792 A1
			US 2003187976 A1

WO 9913423	A1	18-03-1999	AU 9306598 A
			CA 2303773 A1
			EP 1012768 A1
			JP 2001516106 A
			US 6393407 B1
			US 2002111865 A1
			WO 9913423 A1

US 2008270412	A1	30-10-2008	NONE

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-14, 19

A method for controlling webpage behaviour on a web enabled device of claim 1 and a method for collecting client side webpage monitoring information at a web enabled device of claim 13, and the corresponding web enabled devices of claims 12 and 14.

2. claims: 15, 16

A method of maintaining session context on a web enabled device and the corresponding web enabled device.

3. claims: 17, 18

A security method for a web enabled device and a corresponding web enabled device for providing security.
