(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date 15 December 2011 (15.12.2011)

(10) International Publication Number WO 2011/156167 A3

(51) International Patent Classification: G06F 17/00 (2006.01) G06F 9/44 (2006.01) G06F 3/048 (2006.01)

(21) International Application Number:

PCT/US2011/038505

(22) International Filing Date:

31 May 2011 (31.05.2011)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

12/814,374

11 June 2010 (11.06.2010)

US

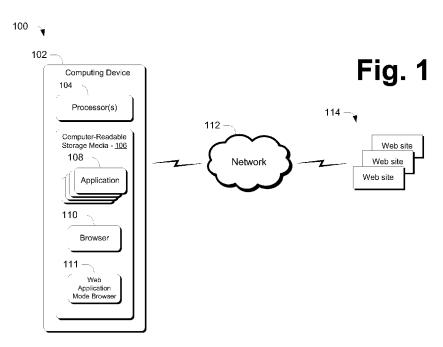
- (71) Applicant (for all designated States except US): MI-CROSOFT CORPORATION [US/US]; One Microsoft Way, Redmond, Washington 98052-6399 (US).
- (72) Inventors: HILERIO, Israel; c/o Microsoft Corporation, LCA International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). PATTON, Mara B.; c/o Microsoft Corporation, LCA International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). LE, Phu Hoang; c/o Microsoft Corporation, LCA International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). POSEY, Justin Martin; c/o Microsoft Corporation, LCA International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US).

national Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). JANGLA, Kinnary M.; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). YEUNG, Carlos; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). MALEK, Alexander H.; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). MORGAN, Bruce A.; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). DAVIS, John E.; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). JABER, Mustapha; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). WILLIAMS, Mary-Lynne; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US). HALL, Martin J.; c/o Microsoft Corporation, LCA - International Patents, One Microsoft Way, Redmond, Washington 98052-6399 (US).

(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,

[Continued on next page]

(54) Title: WEB APPLICATION PINNING INCLUDING TASK BAR PINNING



(57) Abstract: Various embodiments provide a mechanism to allow end users to install web applications and websites onto their desktop. In accordance with one or more embodiments, client-side code can be utilized to allow developers associated with a website to define boundaries associated with user interaction, and have those boundaries enforced by a run-time engine. In at least some embodiments, developers can provide, through JavaScript code and/or HTML markup, various configurations for the creation of a start menu shortcut, navigation, and so-called jumplist integration.



- HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, Declarations under Rule 4.17: 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, RO, RS, RU, 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.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, 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).

- 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))

Published:

- with international search report (Art. 21(3))
- (88) Date of publication of the international search report: 5 April 2012

International application No. PCT/US2011/038505

A. CLASSIFICATION OF SUBJECT MATTER

G06F 17/00(2006.01)i, G06F 3/048(2006.01)i, G06F 9/44(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 17/00; G06F 15/00; G06F 3/00; G09G 5/00; G06F 13/00

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:web application, install, web sites, drag and drop, link, browser

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2004-0100501 A1 (JASON ROBERT DORNBACK) 27 May 2004 See abstract; paragraphs 14 - paragraph 15; paragraph 17; claims 3,8, and figures 3-4.	1-15
Y	US 2009-0019357 A1 (CUDICH MATIAS et al.) 15 January 2009 See paragraph 30 - paragraph 48; paragraph 50 - paragraph 74; and figures 7-9.	1-15
A	US 6278448 B1 (BROWN; CHRISTOPHER R. et al.) 21 August 2001 See column 7 line 9 - line 48; column 10 line 46 - line54; claim 1, and figures 3A-4.	1-15
A	US 6928620 B1 (KENNETH W. CRANGLE et al.) 09 August 2005 See column 2 line 58 - column 3 line 30; claims 1,3, and figures 1-2.	1-15
A	US 2004-0201630 A1 (PETER JOSEPH MCLNERNEY) 14 October 2004 See the abstract; paragraph 16 - paragraph 19; claims 26-29, and figures 1-3.	1-15
A	US 2007-0033517 A1 (TIMOTHY OSHAUGHNESSY et al.) 08 February 2007 See the abstract; paragraph 21 - paragraph 24; paragraph 30; claims 1-2, and figure 4.	1-15

		Further documents as	e listed in	the continuation	of Box C.
--	--	----------------------	-------------	------------------	-----------

See p

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 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

20 DECEMBER 2011 (20.12.2011)

Date of mailing of the international search report

23 DECEMBER 2011 (23.12.2011)

Name and mailing address of the ISA/KR



Korean Intellectual Property Office Government Complex-Daejeon, 189 Cheongsa-ro, Seo-gu, Daejeon 302-701, Republic of Korea

Facsimile No. 82-42-472-7140

Authorized officer

PARK, SANG HYUN

Telephone No. 82-42-481-8263



INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/US2011/038505

US 2004-0100501 A1 27.05.2004 None US 2009-019357 A1 15.01.2009 US 2009-013244 A1 08.01.2009 US 2009-013245 A1 08.01.2009 US 2009-013246 A1 08.01.2009 US 2009-013246 A1 08.01.2009 US 2009-013246 A1 08.01.2009 US 2009-013246 A1 08.01.2009 US 2009-024915 A1 22.01.2009 US 2009-024939 A1 22.01.2009 US 2009-024939 A1 22.01.2009 US 2009-031401 A1 29.01.2009 US 2009-0318792 A1 28.05.2009 US 6278448 B1 21.08.2001 None US 6928620 B1 09.08.2005 AU 2002-239676 B2 02.02.2006 AU 2002-39676 A1 27.05.2002 CA 2426485 A1 23.05.2002 CA 2426485 A1 23.05.2002 CA 2426485 A1 23.05.2002 US 2004-514221 A 13.05.2004 EP 1360610 A2 12.11.2003 US 2004-514221 A 13.05.2004 W0 02-41192 A2 23.05.2002 W0 02-41192 A3 21.08.2003 US 2004-0201630 A1 14.10.2004 US 6727923 B1 27.04.2004 US 2007-0033516 A1 08.02.2007 US 2007-0033516 A1 08.02.2007 US 2007-0033516 A1 08.02.2007 US 2007-0033516 A1 108.02.2007 US 7702675 B1 20.04.2010 US 7702675 B1 20.04.2010				
US 2009-0019357 A1 15.01.2009 US 2009-013244 A1 08.01.2009 US 2009-013245 A1 08.01.2009 US 2009-013245 A1 08.01.2009 US 2009-013246 A1 08.01.2009 US 2009-013246 A1 08.01.2009 US 2009-019522 A1 15.01.2009 US 2009-024915 A1 22.01.2009 US 2009-024915 A1 22.01.2009 US 2009-024939 A1 22.01.2009 US 2009-031401 A1 29.01.2009 US 2009-138792 A1 28.05.2009 US 2009-138792 A1 28.05.2009 US 6278448 B1 21.08.2001 None US 6928620 B1 09.08.2005 AU 2002-239676 B2 02.02.2006 AU 2002-39676 A1 27.05.2002 CA 2426485 A1 23.05.2002 CA 2426485 A1 23.05.2002 US 4426485 A1 10.2.2004 EP 1360610 A2 12.11.2003 JP 2004-514221 A 13.05.2004 WO 02-41192 A2 23.05.2002 WO 02-41192 A3 21.08.2003 US 2004-0201630 A1 14.10.2004 US 6727923 B1 27.04.2004 US 7954061 B2 31.05.2011 US 2007-0033517 A1 08.02.2007 US 2007-0033516 A1 08.02.2007 US 7702675 B1 20.04.2010 WO 2007-019380 A2 15.02.2007		Publication date	Patent family member(s)	Publication date
US 2009-013245 A1 08.01.2009 US 2009-013246 A1 08.01.2009 US 2009-013267 A1 08.01.2009 US 2009-019522 A1 15.01.2009 US 2009-024915 A1 22.01.2009 US 2009-024915 A1 22.01.2009 US 2009-024939 A1 22.01.2009 US 2009-031401 A1 29.01.2009 US 2009-138792 A1 28.05.2009 US 6278448 B1 21.08.2001 None US 6928620 B1 09.08.2005 AU 2002-239676 B2 02.02.2006 AU 2002-39676 A1 27.05.2002 CA 2426485 A1 23.05.2002 CA 2426485 A1 23.05.2002 CN 1474983 A 11.02.2004 EP 1360610 A2 12.11.2003 JP 2004-514221 A 13.05.2004 WO 02-41192 A2 23.05.2002 WO 02-41192 A2 23.05.2002 WO 02-41192 A3 21.08.2003 US 2004-0201630 A1 14.10.2004 US 6727923 B1 27.04.2004 US 7954061 B2 31.05.2011 US 2007-0033517 A1 08.02.2007 US 2007-0033516 A1 08.02.2007 US 2007-0033516 A1 08.02.2007 US 7702675 B1 20.04.2010 WO 2007-019380 A2 15.02.2007	US 2004-0100501 A1	27.05.2004	None	
US 6928620 B1 09.08.2005 AU 2002-239676 B2 AU 2002-39676 A1 27.05.2002 CA 2426485 A1 23.05.2002 CN 1474983 A 11.02.2004 EP 1360610 A2 JP 2004-514221 A W0 02-41192 A2 W0 02-41192 A3 21.08.2003 US 2004-0201630 A1 14.10.2004 US 6727923 B1 US 7954061 B2 31.05.2011 US 2007-0033517 A1 08.02.2007 US 2007-0033290 A1 US 2007-0033516 A1 08.02.2007 US 7702675 B1 20.04.2010 W0 2007-019380 A2 15.02.2007	US 2009-0019357 A1	15.01.2009	US 2009-013245 A1 US 2009-013246 A1 US 2009-013267 A1 US 2009-019522 A1 US 2009-024915 A1 US 2009-024939 A1 US 2009-031401 A1	08.01.2009 08.01.2009 08.01.2009 08.01.2009 15.01.2009 22.01.2009 22.01.2009 29.01.2009 28.05.2009
AU 2002-39676 A1 27.05.2002 CA 2426485 A1 23.05.2002 CN 1474983 A 11.02.2004 EP 1360610 A2 12.11.2003 JP 2004-514221 A 13.05.2004 W0 02-41192 A2 23.05.2002 W0 02-41192 A3 21.08.2003 US 2004-0201630 A1 14.10.2004 US 6727923 B1 27.04.2004 US 7954061 B2 31.05.2011 US 2007-0033517 A1 08.02.2007 US 2007-0033290 A1 08.02.2007 US 2007-0033516 A1 08.02.2007 US 7702675 B1 20.04.2010 W0 2007-019380 A2 15.02.2007	US 6278448 B1	21.08.2001	None	
US 7954061 B2 31.05.2011 US 2007-0033517 A1 08.02.2007 US 2007-0033290 A1 08.02.2007 US 2007-0033516 A1 08.02.2007 US 7702675 B1 20.04.2010 W0 2007-019380 A2 15.02.2007	US 6928620 B1	09.08.2005	AU 2002-39676 A1 CA 2426485 A1 CN 1474983 A EP 1360610 A2 JP 2004-514221 A WO 02-41192 A2	02.02.2006 27.05.2002 23.05.2002 11.02.2004 12.11.2003 13.05.2004 23.05.2002 21.08.2003
US 2007-0033516 A1 08.02.2007 US 7702675 B1 20.04.2010 W0 2007-019380 A2 15.02.2007	US 2004-0201630 A1	14.10.2004		27.04.2004 31.05.2011
	US 2007-0033517 A1	08.02.2007	US 2007-0033516 A1 US 7702675 B1 WO 2007-019380 A2	08.02.2007 08.02.2007 20.04.2010 15.02.2007 15.02.2007