

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
Stylesheet Version v1.2

EPAS ID: PAT2978388

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ROCKSTAR BIDCO, LP	06/19/2012
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MICROSOFT CORPORATION
<b>Street Address:</b>	ONE MICROSOFT WAY
<b>City:</b>	REDMOND
<b>State/Country:</b>	WASHINGTON
<b>Postal Code:</b>	98052
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14454260
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(509)755-7252
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
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<b>Email:</b>	travis@wolfe-sbmc.com
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<b>ATTORNEY DOCKET NUMBER:</b>	336893.13
<b>NAME OF SUBMITTER:</b>	DANIEL T. MCGINNITY, REG# 55,444
<b>SIGNATURE:</b>	/Daniel T. McGinnity,#55444/
<b>DATE SIGNED:</b>	08/12/2014
<b>Total Attachments: 14</b>	
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## PATENT ASSIGNMENT

This PATENT ASSIGNMENT ("Assignment") dated as of June 19, 2012 (the "Effective Date") by and between:

- (i) Rockstar Bidco, LP, a limited partnership organized under the laws of Delaware ("Assignor"), the address of which is Rockstar Bidco, LP, c/o Paul, Weiss, Rifkind, Wharton & Garrison LLP, 1285 Avenue of the Americas, New York, New York 10019-6064 USA, ATTN: Marilyn Sobel; and
- (ii) Microsoft Corporation a corporation organized under the laws of Washington ("Assignee"), the address of which is One Microsoft Way, Redmond, Washington 98052-7329 USA.

WITNESSETH:

WHEREAS, Assignor has agreed to transfer certain assets of Assignor, including, without limitation, the patents, patent applications and provisional patent applications identified and set forth below; and

WHEREAS, Assignor now wishes to assign to Assignee, and Assignee wishes to acquire from Assignor, all of Assignor's right, title and interest in and to the Assigned Patents (as defined below.

NOW, THEREFORE, in consideration of the foregoing and the mutual promises and agreements contained in this Assignment, and for other good and valuable consideration the receipt and sufficiency of which are hereby acknowledged, the parties hereby agree as follows:

I. Assignment. Assignor hereby assigns to Assignee, and Assignee hereby accepts, all of Assignor's right, title, and interest throughout the world (under any and all laws and in any and all jurisdictions) in and to the following (collectively, the "Assigned Patent Assets"): (i) the following patents, patent applications and provisional patent applications (collectively, the "Assigned Patents");

App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
20-Dec-99	US	09/466,689	6,611,695	10300RO
30-May-03	US	10/448,373	6,842,630	10300RO
22-Mar-99	US	09/273,411	6,311,070	10380RO
23-Dec-99	US	09/471,092	6,650,758	10454RO
3-Dec-99	US	09/454,793	6,765,909	10493RR
18-Apr-00	EP	303290.1		10493RR
17-Dec-99	US	09/466,506	6,490,451	10685RR
22-Jun-00	US	09/599,275	6,947,490	10858ID
17-Dec-99	CN	99817091.7	ZL99817091.7	10887RO
24-Jan-00	US	09/489,929	7,310,529	10897RO

App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
22-Jun-00	US	09/599,277	6,748,021	11007ID
5-Apr-00	US	09/543,851	6,340,914	11220RO
5-Apr-00	US	09/543,328	6,724,801	11292RO
21-Mar-01	CA	2,341,935	2,341,935	11292RO
12-Mar-04	US	10/800,054	6,961,328	11292RO
12-Mar-04	US	10/800,069	6,963,558	11292RO
19-Oct-04	US	10/968,762	7,463,613	11292RO
12-Sep-02	US	10/089,752	7,590,843	11349RR
24-Aug-09	US	12/546,282		11349RR
4-Oct-00	DE	968661.9	600 31 878.8	11349RR
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4-Oct-00	GB	968661.9	1 226 682	11349RR
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6-Sep-00	US	09/656,366	6,738,618	11544RR
14-Dec-99	US	09/461,454	6,618,585	11583ID
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14-Dec-99	US	09/461,453	6,510,210	11789ID
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30-Jun-00	US	09/606,690	6,731,953	12097RO
4-May-01	US	09/848,902	7,072,336	12612RR
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16-May-01	GB	1939047.5	1 290 820	12612RR
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28-Dec-00	US	09/751,293	6,947,483	12938SS
15-Jan-01	US	09/761,011	6,678,444	13065CK
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5-Dec-00	US	09/729,097	6,931,053	13583RO
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29-Nov-01	FR	1270024.1	1 350 341	13583RO
29-Nov-01	GB	60125413.9-08	1 350 341	13583RO
19-Jan-01	US	09/765,532	6,426,723	13669ID
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24-Jan-06	GB	6001422.2	1 657 779	13669ID
24-Oct-01	US	09/983,365	7,154,846	13675RO
24-Oct-01	BR	PI0114892-3		13675RO
24-Oct-01	CN	1820736.7	ZL01820736.7	13675RO
24-Oct-01	EP	1982002.6	1 332 568	13675RO
24-Oct-01	JP	2002-538592	4309129	13675RO
24-Oct-01	KR	10-2003-7005660	10-0877447	13675RO
24-Oct-01	DE	1982002.6	60134484.7	13675RO
24-Oct-01	FR	1982002.6	1 332 568	13675RO
24-Oct-01	GB	1982002.6	1 332 568	13675RO
24-Oct-01	EP	0		13675RO
30-Dec-02	US	10/334,668		13792SS
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App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
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16-Nov-01	US	09/992,252	7,342,914	13918RR
20-Aug-91	AU	82575/91	638160	13961FR
20-Aug-90	FR	9010485	2665993	13961FR
19-Aug-91	SG	9791963.3	42219	13961FR
19-Aug-91	FI	913903	98431	13961FR
19-Aug-91	BE	91402262.9	0 472 460	13961FR
19-Aug-91	DE	91402262.9	69105871.7	13961FR
19-Aug-91	DK	91402262.9	0 472 460	13961FR
19-Aug-91	ES	91402262.9	0 472 460	13961FR
19-Aug-91	GB	91402262.9	0 472 460	13961FR
19-Aug-91	IT	91402262.9	0 472 460	13961FR
19-Aug-91	LU	91402262.9	0 472 460	13961FR
19-Aug-91	NL	91402262.9	0 472 460	13961FR
19-Aug-91	SE	91402262.9	0 472 460	13961FR
30-Apr-98	HK	98103694.6	1004584	13961FR
21-Jul-97	US	08/900,397	5,917,861	13978FR
6-Jan-95	FR	9500135	2729247	14000FR
3-Jan-96	GB	96901010.7	0 801 790	14000FR
22-Oct-97	US	08/860,746	5,963,898	14000FR
18-Sep-97	FR	9711640	2768544	14017FR
2-Jun-00	US	09/509,150	6,658,380	14017FR
21-Sep-01	US	09/960,775	6,990,442	14046RN
3-Jul-01	US	09/898,300	6,798,358	14284HU
28-Mar-02	CA	2,379,611	2,379,611	14284HU
17-May-04	US	10/847,604	7,196,639	14284HU
3-Apr-02	DE	2252434.2	60211601.5	14284HU
3-Apr-02	FR	2252434.2	1 274 264	14284HU
3-Apr-02	GB	2252434.2	1 274 264	14284HU
28-Mar-02	CA	0		14284HU
2-Jul-01	US	09/897,239	6,876,728	14347HU
27-Nov-01	US	09/995,113	6,816,578	14410HU
28-Mar-02	US	10/108,577	7,145,889	14741RO
25-Oct-06	US	11/552,797	7,436,834	14741RO
25-Jun-02	US	10/179,636	6,646,501	14923RO
24-Jun-03	CN	3814894.3	ZL03814894.3	14923RO
24-Jun-03	EP	3760819.7	1 518 321	14923RO
24-Jun-03	KR	10-2004-7021111		14923RO
6-Apr-11	KR	10-2011-7007944		14923RO
24-Jun-03	DE	60337924.9	1 518 321	14923RO
24-Jun-03	FR	3760819.7	1 518 321	14923RO
24-Jun-03	GB	3760819.7	1 518 321	14923RO
28-Jun-02	US	10/184,466	6,819,720	14949RO
27-Jun-02	US	10/185,118	7,058,368	14969RO
5-Mar-02	US	10/091,072	7,340,249	15011ID
22-Mar-02	US	10/104,399	7,042,858	15154RO
22-Jan-03	CN	3811091.1	ZL03811091	15154RO
22-Jan-03	KR	10-2004-7015054		15154RO
24-Dec-08	US	12/343,866	7,864,735	15154RO
22-Jan-03	KR	10-2009-7024611		15154RO
22-Jan-03	KR	10-2010-7018645		15154RO

App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
22-Jan-03	DE	3701632.6	1 491 065	15154RO
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22-Jan-03	IE	3701632.6	1 491 065	15154RO
3-Jan-11	US	12/983,636		15154RO
18-Oct-02	US	10/273,965		15286RO
6-Sep-02	US	10/236,438	6,993,293	15314ID
15-Sep-03	US	10/661,603	6,774,719	15471RO
1-Oct-02	US	10/261,739	7,317,680	15533RO
29-Mar-04	TW	93108522		15533RO
30-Sep-10	EP	10183812.6		15533RO
29-Sep-03	CN	3823495.5		15533RO
29-Sep-03	EP	3799030.6		15533RO
15-Jan-03	US	10/342,987	7,089,037	15576RR
13-Jan-04	EP	4701646.4		15576RR
31-Mar-03	US	10/403,727	6,987,953	15697RO
30-Mar-04	CN	200480014494.3	ZL200480014494	15697RO
30-Mar-04	EP	4724320.9		15697RO
17-Jan-06	US	11/333,779	7,424,274	15697RO
31-Mar-03	US	10/403,633	7,136,430	15717RO
31-Mar-04	EP	4724656.6		15717RO
12-Sep-11	US	13/230,660		15717RO
10-Oct-06	US	11/545,765	8,040,976	15717RO
31-Mar-04	EP	20120157021		15717RO
26-Feb-04	US	10/787,700	7,486,735	15723RO
5-Jun-03	US	10/455,513	7,292,639	15810MD
2-Jun-03	US	10/449,105	7,053,700	15886RO
28-Jul-03	US	10/628,167	7,646,710	15955RN
11-Jan-10	US	12/685,486		15955RN
28-Jul-04	CA	2,533,875		15955RN
28-Jul-04	EP	4769100.1		15955RN
12-Mar-04	US	10/800,055	7,738,855	15982RR
26-Mar-10	US	12/732,395		15982RR
12-Mar-04	CN	200480012596.1	ZL200480012596	15982RR
3-May-04	US	10/838,095	7,545,766	16121RR
13-Aug-04	EP	4786412.9		16303RR
13-Aug-04	IN	777/DELNP/2006		16303RR
19-Dec-03	US	10/741,953	7,440,433	16312RR
19-Dec-03	US	10/741,954	7,228,133	16313RR
18-Aug-04	US	10/920,850		16345RR
18-Aug-04	CN	200480023589.1		16345RR
18-Aug-04	EP	4744303.1		16345RR
20-Oct-03	FR	312239	2861191	16374FR
20-Jul-04	US	10/894,035		16476RO
13-Oct-04	US	10/964,911	7,962,124	16494RR
27-May-11	US	13/118,008		16494RR
2-Jun-04	US	10/858,079	7,081,793	16546RO
24-Dec-03	US	10/745,836	8,046,000	16629RO
21-Oct-04	EP	4791729.9		16629RO
21-Oct-04	CA	2,551,624		16629RO
21-Oct-04	CN	200480042023.3		16629RO
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App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
15-Sep-11	US	13/233,524		16629RO
9-Aug-04	US	10/913,403	8,116,410	16662RO
26-Jan-12	US	13/358,786		16662RO
1-Feb-06	DE	6706541.7	602006004010.5	16775DE
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1-Feb-06	GB	6706541.7	1 856 924	16775DE
28-Sep-07	CN	200680010532.7		16775DE
8-Jul-04	US	10/887,263	7,650,142	16802ID
30-Jun-05	DE	5760855.6	1 774 818	16802ID
30-Jun-05	FR	5760855.6	1 774 818	16802ID
30-Jun-05	GB	5760855.6	1 774 818	16802ID
11-Mar-04	US	10/798,110	7,260,763	16811MD
21-Dec-04	US	11/018,997	8,078,708	16902BA
14-Nov-11	US	13/295,283		16902BA
12-Apr-05	US	11/103,768		16964RR
13-Apr-05	EP	5746363		16964RR
24-Jan-12	US	13/374,933		16964RR
24-Sep-04	US	10/948,124	7,672,258	16972RO
8-Jan-10	US	12/684,540		16972RO
25-Jun-04	FR	407015	2872292	16996FR
20-Mar-06	CN	200680009207.9		16999DE
20-Mar-06	EP	6723547.3		16999DE
20-Mar-06	IN	IN3524/KOLNP/2007		16999DE
9-Dec-04	US	11/007,301	7,463,905	17044RO
27-Oct-08	US	12/258,497		17241RO
17-Nov-05	US	11/281,334	7,450,527	17241RO
22-Jun-05	US	11/159,033		17302RO
21-Jun-06	EP	6779746.4		17302RO
27-Sep-04	GB	421553.9	GB2418536	17343ID
5-Dec-05	US	11/293,204	7,623,448	17445RO
20-Dec-05	US	11/311,260	8,116,781	17705RO
20-Jan-12	US	13/354,634		17705RO
9-Jun-06	US	11/450,499		17806RR
23-Aug-06	HK	8109270.4		17870RO
23-Aug-06	EP	6790567.9		17870RO
22-Feb-08	US	11/990,868		17870RO
20-Dec-05	US	11/313,048		17871RO
12-Oct-05	US	11/248,653	7,304,549	17905RO
12-Oct-05	US	11/248,655	7,091,774	17906RO
7-Jul-06	US	11/483,193	7,250,816	17906RO
29-Sep-06	US	11/529,794		17988RR
28-Feb-07	US	11/712,347		18218RO
28-Aug-06	US	11/512,603		18268RN
29-Mar-07	US	11/693,512		18299SC
21-Nov-07	US	11/986,458		18696RR
28-Feb-12	US	13/385,643		18696RR
20-Dec-07	US	11/961,920		18742RO
31-Mar-09	US	12/415,341		18775ID
30-Mar-10	BR	PCT/GB2010/050546		18775ID
30-Mar-10	CA	2,751,082		18775ID
30-Mar-10	CN	201080014505.3		18775ID

App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
30-Mar-10	EP	10721844.8		187751D
30-Mar-10	IN	5557/CHENP/2011		187751D
30-Mar-10	JP	2012-502806		187751D
30-Mar-10	KR	10-2011-7022970		187751D
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10-Aug-07	GB	715560.9		19015FR
28-Dec-07	US	11/966,632	8,121,100	19015FR
	US	13/344,793		19015FR
24-Mar-09	WO	PCT/US2009/038094		19148RR
24-Mar-09	BR	PI0908970-5		19148RR
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24-Mar-09	JP	2011-501979		19148RR
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27-Aug-10	US	12/919,878		19148RR
25-Jun-09	US	12/491,708		19231RO
4-Mar-09	US	12/397,723		19284RO
21-May-12	US	13/476,242		19284RO
3-Jul-09	US	61/221,775		19572RO
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2-Sep-09	US	12/874,696		19666RO
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16-Mar-10	BR	PCT/US2010/027464		19843RR
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16-Mar-10	EP	10753974.4		19843RR
16-Mar-10	IN	3167/KOLNP/2011		19843RR
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16-Mar-10	RU	2011132491		19843RR
21-Jul-11	US	13/145,751		19843RR
6-Jan-95	FR	95906375.1	0 739 577	FR0047
6-Jan-95	GB	95906375.1	0 739 577	FR0047
6-Jan-95	SG	9601578.9	45221	FR0047
4-Nov-96	US	08/676,264	5,850,609	FR0047
6-Jan-95	DE	95906375.1	695 08 229.9	FR0047
6-Jan-95	AU	14582/95	686727	FR0047
6-Jan-95	CA	2,181,057	2,181,057	FR0047
6-Jan-95	CN	95191200.3	95191200.3	FR0047
10-Apr-98	US	09/402,956	6,671,313	FR0081
6-Apr-99	US	09/286,955	6,704,546	FR0115
19-Oct-92	DE	92309520.2	69215372.1	ID0138



App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
19-Oct-92	FR	92309520.2	593822	ID0138
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21-Sep-95	US	08/531,599	5,603,089	ID0138
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31-Jan-97	US	08/792,537	5,771,017	ID0201
23-Dec-94	DE	94120491.9	694 31 550.8	ID0201
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16-May-95	US	08/441,776	5,576,717	ID0218
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30-Jan-97	US	08/791,835	5,666,123	ID0221
16-May-95	US	08/441,777	5,714,957	ID0222
12-Aug-94	US	08/289,920	5,596,329	ID0223
16-May-95	US	08/441,756	5,602,555	ID0224
15-Feb-95	JP	07-050450	3446171	ID0257
24-Jun-97	US	08/880,299	6,016,123	ID0257
16-Aug-96	CA	2,229,922	2,229,922	ID0272
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7-Aug-96	DE	96926498.5	696 13 129.3	ID0276
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7-Aug-96	GB	96926498.5	0 843 944	ID0276
7-Aug-96	US	09/011,421	6,285,869	ID0276
23-Nov-95	US	08/849,272	5,973,641	ID0314
9-Jul-96	US	08/677,284	5,778,324	ID0396
13-Jun-96	FR	96304416.9	0 755 090	ID0396
13-Jun-96	GB	96304416.9	0 755 090	ID0396
9-Jul-96	US	08/677,157	6,002,947	ID0397
2-Dec-96	US	08/758,989	6,150,987	ID0430
8-Dec-96	JP	8-342808	3897062	ID0430
29-Nov-96	DE	96308635	696 19 494.5	ID0430
29-Nov-96	FR	96308635	0 788 284	ID0430
29-Nov-96	GB	96308635	0 788 284	ID0430
29-Oct-97	US	08/960,441	5,966,094	ID0554
4-Jun-98	CA	2,239,601	2,239,601	ID0648
5-Jun-97	US	08/868,859	6,167,286	ID0648
1-Jun-98	DE	98304305	69827074.6	ID0648
1-Jun-98	FR	98304305	0 883 208	ID0648
1-Jun-98	GB	98304305	0 883 208	ID0648
11-Jul-97	US	08/893,428	6,359,588	ID0669
7-Jul-98	MX	985500	213813	ID0698
17-Jul-97	US	08/896,222	5,990,835	ID0698
18-Jul-97	US	08/896,380	6,038,231	ID0714
29-Apr-98	DE	98919334.7	69827379.6	ID0714
29-Apr-98	GB	98919334.7	0 979 566	ID0714
10-Jun-98	CA	2,240,204	2,240,204	ID0736

App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
31-Jul-97	US	08/903,840	6,094,165	ID0736
31-Oct-97	US	08/962,287	6,791,952	ID0776
26-Mar-99	CA	2,267,034	2,267,034	ID0855
28-Mar-98	US	09/049,702	6,298,043	ID0855
18-Mar-99	DE	99302073.4	69929852	ID0855
18-Mar-99	FR	99302073.4	0 948 235	ID0855
18-Mar-99	GB	99302073.4	0 948 235	ID0855
2-Dec-98	US	09/203,852	6,564,037	ID0857
19-May-98	US	09/081,004	6,591,288	ID0883
26-Mar-98	US	09/048,913	6,104,920	ID0902
7-Jul-98	US	09/111,240	6,023,242	ID0924
29-Dec-98	US	09/222,557	6,411,629	ID0982
23-Oct-98	US	09/178,015	6,310,908	ID1030
6-Apr-90	GB	9007809.8	2 242 806	ID9902
14-Feb-91	US	07/655,634	5,278,991	ID9902
10-Oct-97	US	08/948,315	6,363,339	RM1090
6-Oct-98	EP	10003028.7		RM1090
6-Oct-98	DE	98203362.3	69841567.1	RM1090
6-Oct-98	FR	98203362.3	0 909 081	RM1090
6-Oct-98	GB	98203362.3	0 909 081	RM1090
2-Jun-98	US	09/088,895	6,324,515	RM1124
4-Sep-98	US	09/146,752	6,704,705	RM1150
22-Nov-91	DE	91310785	691 26 511.9	RO2649
22-Nov-91	FR	91310785	0 490 509	RO2649
22-Nov-91	GB	91310785	0 490 509	RO2649
6-Jun-91	US	07/710,866	5,239,676	RO2649
9-Oct-96	MX	984211	215566	RO3052
30-Nov-95	US	08/565,265	5,778,310	RO3052
26-Feb-97	CN	97191915.1	ZL97191915.1	RO3053
26-Feb-97	JP	10-524073	3486849	RO3053
29-Nov-96	US	08/759,092	5,848,108	RO3053
26-Feb-97	MX	986078	209635	RO3053
26-Feb-97	DE	97903174.7	69731077.9	RO3053
26-Feb-97	FR	97903174.7	0 886 922	RO3053
26-Feb-97	GB	97903174.7	0 886 922	RO3053
17-Oct-96	US	08/730,828	5,838,742	RO3140
16-Jun-98	US	09/097,592	6,243,595	RO3157
12-May-97	US	08/855,846	6,169,733	RO3162
16-Dec-96	US	08/768,084	5,890,052	RO3225
20-Dec-96	US	08/777,674	6,002,672	RO3259
20-Jun-97	US	08/879,771	5,933,771	RO3272
26-Jun-97	US	08/883,042		RO3284
21-Apr-98	CA	2,286,840	2,286,840	RO3310
23-Apr-97	US	08/842,019	6,226,367	RO3310
21-Apr-98	DE	98917557.5	69824407.9	RO3310
21-Apr-98	FR	98917557.5	0 978 189	RO3310
21-Apr-98	GB	98917557.5	0 978 189	RO3310
27-Apr-98	CA	2,287,939	2,287,939	RO3320
2-May-97	US	08/850,515	6,526,129	RO3320
27-Apr-98	DE	98913986	69832169.3	RO3320
27-Apr-98	FR	98913986	0 983 674	RO3320
27-Apr-98	GB	98913986	0 983 674	RO3320

App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
4-Dec-97	US	08/985,264	6,310,610	RO3348
26-Feb-98	US	09/030,551	6,363,130	RO3389
20-Dec-96	US	08/772,669	6,118,773	RO3430
19-Nov-99	US	09/443,992	6,880,088	RO3443
22-Dec-97	US	08/996,133	6,282,184	RO3449
13-Aug-98	US	09/133,211	5,995,063	RO3454
24-Dec-97	US	08/997,783	6,108,540	RO3485
24-Oct-97	US	08/957,025	6,343,213	RO3505
4-Sep-98	CA	2,246,518	2,246,518	RO3505
24-Dec-97	US	08/997,982	6,628,641	RO3540
1-Dec-97	US	08/980,758	6,069,943	RO3569
28-Aug-97	US	08/919,281	6,097,773	RO3641
19-Nov-98	US	09/195,400	6,373,842	RO3645
14-May-98	US	09/078,558	5,982,324	RO3773
7-Oct-97	US	08/946,312	6,148,422	RO3787
29-Aug-97	US	08/921,278	6,038,452	RO3788
22-Dec-98	US	09/218,414	6,272,186	RO3925
10-Nov-99	BR	9915615-6		RO3948
10-Nov-99	JP	2000-586011	3580421	RO3948
7-May-01	US	09/849,338	6,687,511	RO3948
27-Nov-98	US	09/200,759	6,236,864	RO3948
10-Nov-99	DE	99953497.7	69917929.7	RO3948
10-Nov-99	FR	99953497.7	1 133 837	RO3948
10-Nov-99	GB	99953497.7	1 133 837	RO3948
3-Sep-98	US	09/146,233	6,084,772	RO3956
30-Nov-98	US	09/201,021	6,320,898	RO3975
6-Apr-98	CA	2,234,006	2,234,006	RO4127
25-Jan-99	US	09/236,070	6,298,461	RO4127
6-Apr-98	CA	2,474,859	2,474,859	RO4127
31-Jul-98	US	09/126,993	6,298,463	RO4280
1-Jul-99	US	09/345,419	6,760,438	RO4331
28-May-99	US	09/321,819	6,493,380	RO4391
2-Jun-99	US	09/324,046	6,504,862	RO4412
4-May-00	FR	303733	1 058 400	RO4412
4-May-00	GB	303733	1 058 400	RO4412
16-Aug-99	US	09/374,103	6,353,744	RO4454
10-Dec-98	US	09/209,386	6,275,685	RO4457
18-Jun-99	US	09/335,715	6,522,882	RO4483
21-Jun-95	CN	95197703.2	95197703.2	RR1045
21-Jun-95	MX	976070	192619	RR1045
23-Feb-95	US	08/393,348	5,634,192	RR1045
21-Jun-95	FR	95922690.3	0 811 299	RR1045
21-Jun-95	GB	95922690.3	0 811 299	RR1045
21-Feb-95	US	08/391,524	5,652,915	RR1072
17-Dec-96	US	08/767,675	6,128,293	RR1117
9-Jan-97	CA	2,236,799	2,236,799	RR1121
9-Jan-97	CN	97191487.7	ZL97191487.7	RR1121
9-Jan-97	MX	983577	204152	RR1121
6-Sep-96	US	08/711,633	5,812,636	RR1121
9-Jan-97	DE	97900062.7	69739502.2	RR1121
9-Jan-97	FR	97900062.7	0 860 092	RR1121
9-Jan-97	GB	97900062.7	0 860 092	RR1121

App Filed Date	App Filed Country Code	App Serial Number	App Patent Number	Disc Number
25-Nov-96	EP	96938874.3	0 908 070	RR1122
26-Jun-96	US	08/670,635	5,890,067	RR1122
29-Sep-10	EP	10182470.4		RR1122
25-Nov-96	DE	96938874.3	0 908 070	RR1122
25-Nov-96	FR	96938874.3	0 908 070	RR1122
25-Nov-96	GB	96938874.3	0 908 070	RR1122
9-Aug-96	US	08/695,352	6,058,309	RR1136
14-Dec-99	US	09/461,528	6,438,369	RR1136
29-Mar-00	US	09/538,716	6,363,251	RR1136
3-Oct-97	US	08/943,427	6,711,415	RR1177
30-Apr-97	US	08/846,330	6,061,560	RR1180
30-Apr-98	DE	98918876.8	69841306.7	RR1180
30-Apr-98	FR	98918876.8	0 979 580	RR1180
30-Apr-98	GB	98918876.8	0 979 580	RR1180
3-Apr-97	US	08/832,517	6,055,433	RR1185
10-Sep-97	US	08/926,610	6,115,608	RR2040
17-Apr-01	US	09/836,528	6,549,771	RR2154
17-Mar-98	US	09/042,951	6,223,028	RR2154
25-Mar-03	US	90/006,578	6,223,028C1	RR2154
6-Apr-98	US	09/055,622	6,240,072	RR2171
30-Aug-96	US	08/697,854		RR2206
29-May-97	US	08/864,926	6,091,952	RR2206
31-Dec-97	US	09/001,111	6,430,627	RR2216
26-Nov-97	US	08/979,414	6,256,764	RR2238
12-Nov-97	US	08/968,272	6,047,193	RR2251
27-Aug-98	US	09/141,477	6,085,094	RR2309
14-Mar-01	US	09/808,479	6,453,175	RR2335
16-Feb-99	CA	2,319,809	2,319,809	RR2339
28-Jan-99	US	09/238,443	6,614,779	RR2339
13-May-98	US	09/078,238	6,266,529	RR2346
20-Nov-98	US	09/196,727	6,470,181	RR2370
27-Aug-99	US	09/385,659	6,553,226	RR2386
8-Jun-99	US	09/327,610	6,646,987	RR2473
22-Dec-98	US	09/218,969	6,088,578	RR2474
25-Mar-03	US	90/006,576	6,088,578	RR2474
12-Jan-99	US	09/228,607	6,487,183	RR2514
17-Aug-98	US	09/135,200	6,608,820	RR2605
26-May-98	US	09/084,800	6,249,552	SC0097
27-Mar-98	US	09/049,000	6,400,935	SC0113
28-Dec-98	US	09/220,960	6,118,856	SC0132
10-Dec-98	US	09/209,127	6,453,162	SN0207
26-Dec-97	US	08/998,531	6,430,174	SR0150
5-May-93	CA	2,095,568	2,095,568	ST0104
26-May-92	US	07/887,758	5,329,578	ST0104
2-Dec-98	US	09/203,375	6,882,651	TW0007
28-Feb-03	KR	7013579/2004	1033763	15224RR
28-Feb-03	CN	03804966.X	ZL03804966.X	15224RR
28-Feb-03	IN	2475/DELNP/2004		15224RR
27-Dec-95	US	08/702,484	5,889,857	13973FR

(ii) all divisionals, continuations, continuations in part, substitutes, extensions, renewals, reissues, reexaminations, other applications and related cases (in each instance, whether pending, issued, abandoned or filed in the future) that have been or shall be filed anywhere in the world and that are based upon any of the Assigned Patents (all of the foregoing, collectively, "**Related Cases**"); (iii) any inventions and improvements claimed or disclosed in any of the Assigned Patents or Related Cases, and any and all letters patent, certificates of invention, design registrations and utility models which may be granted therefor; and (iv) all causes of action, enforcement rights, infringement claims and other rights (including all rights to pursue damages, injunctive relief and other remedies for past, present and future infringement) based upon, arising out of or relating to any of the Assigned Patents or Related Cases. Pursuant to the foregoing assignment, each of the Assigned Patent Assets shall hereafter be for Assignee's own use and enjoyment, and for the use and enjoyment of Assignee's successors and assigns, as fully and entirely as the same would have been held and enjoyed by Assignor if this Assignment had not been made. The assignment pursuant to this Section 1 includes, without limitation (A) the right, if any, to register or apply in all countries and regions in the Assignee's name for patents, utility models, design registrations and like rights of exclusion and for inventors' certificates for said inventions and improvements; (B) the right to apply for, prosecute, maintain and defend the Assigned Patent Assets (including the right to continue any such action underway and to revive any such action previously abandoned) before any public or private agency, office or registrar including by filing reissues, reexaminations, divisions, continuations, continuations-in-part, substitutes, extensions and all other applications and post issue proceedings included in the Assigned Patent Assets; (C) the right, if any, to claim priority based on the filing dates of any of the Assigned Patents or Related Cases under the International Convention for the Protection of Industrial Property, the Patent Cooperation Treaty, the European Patent Convention, the Paris Convention, and all other treaties of like purposes; and (D) the right to sue and recover damages or other compensation for past, present or future infringements thereof, the right to sue and obtain equitable relief, including injunctive relief, in respect of such infringements, and the right to fully and entirely stand in the place of the Assignor in all matters related to the Assigned Patent Assets.

2. Authorization. Assignor also hereby expressly authorizes the respective patent office or governmental agency in each and every jurisdiction worldwide (including the Commissioner of Patents and Trademarks in the United States Patent and Trademark Office, and the corresponding entities or agencies in any applicable foreign countries or multinational authorities) to do the following: (a) to issue any and all patents or certificates of invention or equivalent which may be granted upon any of the Assigned Patent Rights in the name of Assignee, as the assignee to the entire interest therein; and (b) to record Assignee as the assignee and owner of the Assigned Patents and to deliver to Assignee, and to Assignee's attorneys, agents, successors or assigns, all official documents and communications as may be warranted by this Assignment.

3. Recordation. Assignee shall be solely responsible for all actions and all costs whatsoever, including but not limited to taxes, attorneys' fees and patent office fees in any jurisdiction, associated with the perfection of Assignee's right, title, and interest in and to the Assigned Patents and recordation and/or registration of this Assignment or any other document evidencing the assignment to Assignee of the Assigned Patents.

4. Disclaimer. There are no warranties, representations or conditions, express or implied, statutory or otherwise between the Parties under this Assignment. ASSIGNEE ACKNOWLEDGES THAT THE ASSIGNED PATENTS ARE CONVEYED WITHOUT ANY REPRESENTATION, WARRANTY OR GUARANTY, INCLUDING WITHOUT LIMITATION AS TO THE CONDITION OF TITLE, ENFORCEABILITY, SUITABILITY OR FITNESS FOR ANY PARTICULAR PURPOSE, MERCHANTABILITY, VALIDITY, REGISTRABILITY OR ANY OTHER WARRANTY, WHETHER EXPRESS OR IMPLIED OR BY OPERATION OF LAW, BY ANY PERSON, INCLUDING WITHOUT LIMITATION BY ASSIGNOR, OR ANY OF ITS OFFICERS, DIRECTORS, EMPLOYEES, ACCOUNTANTS, FINANCIAL, LEGAL OR OTHER REPRESENTATIVES OR ANY AFFILIATE OF SUCH PERSON.

5. Governing Law. This Assignment shall be governed by the laws of the State of Delaware. Each of the parties hereto hereby irrevocably agrees that any legal suit, action or proceeding arising out of or based upon this Assignment shall be brought exclusively in the state or federal courts located in the Southern District of New York and waives, any objection may now or hereafter have to the laying of venue of any such proceeding, and irrevocably submits to the exclusive jurisdiction of any such court in any such suit, action or proceeding.

6. General Provisions. This Assignment may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same instrument. Delivery of an executed counterpart of a signature page to this Assignment by facsimile or electronic mail shall be as effective as delivery of a manually executed counterpart of this Assignment. This Assignment may not be supplemented, altered, or modified in any manner except by a writing signed by all parties hereto. The failure of any party to enforce any terms or provisions of this Assignment shall not waive any of its rights under such terms or provisions. This Assignment is binding upon and inures to the benefit of the parties hereto and their respective successors and assigns.

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MICROSOFT CORPORATION

By [Signature]  
Name: D. Bartley Eppendick  
Title: Assistant Secretary

STATE OF WA )  
 )  
COUNTY OF King ) ss.:

On the 19<sup>th</sup> day of June 2012, before me, the undersigned, a notary public in and for said state and country, personally appeared D. Bartley Eppendick personally known to me (or proved to me on the basis of satisfactory evidence), to be the individual who executed the foregoing instrument on behalf of Microsoft Corporation as the ASSISTANT SECRETARY of such company (such company being Microsoft Corporation), executed such instrument in such capacity, and acknowledged to me that the execution and delivery of said instrument was duly authorized by said company.

Marcia Lynn O'Brien  
Notary Public  
(Affix Seal Below)

