501779562 01/09/2012

PATENT ASSIGNMENT

Electronic Version v1.1 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
XIN LIU	11/10/2011
NITIN AGRAWAL	12/20/2011
JAMES FRANCIS GILSINAN IV	11/10/2011
JAMES B. LAWSON	11/14/2011
BRIAN MACDONALD	11/29/2011
MAIREAD AINE O'DONOVAN	11/09/2011
KIMBERLY M. VLCEK	11/09/2011
NIPOON MALHOTRA	11/09/2011

RECEIVING PARTY DATA

Name:	MICROSOFT CORPORATION
Street Address:	One Microsoft Way
City:	Redmond
State/Country:	WASHINGTON
Postal Code:	98052

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	13288593

CORRESPONDENCE DATA

 Fax Number:
 (816)421-5547

 Phone:
 816-474-6550

 Email:
 brush@shb.com

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent

via US Mail.

501779562

Correspondent Name: TAWNI L. WILHELM

Address Line 1: SHOOK, HARDY & BACON L.L.P.
Address Line 2: 2555 GRAND BOULEVARD

Address Line 4: KANSAS CITY, MISSOURI 64108-2613

PATENT

REEL: 027500 FRAME: 0080

JP \$40.00 13288

PATENT REEL: 027500 FRAME: 0081

BRIAN MACDONALD, MAIRÉAD ÁI MALHOTRA ("ASSIGNOR"), have involaimed in a patent application SUGGESTIONS" ("APPLICATION"), will be filed without hereby authorizes Shook, Hardy & Backnowledged by the ASSIGNOR, to the APPLICATION and exclusive rights, title and applications, in and for the Unit ("APPLICATION DERIVATIVES")); For good and valuable acknowledged by the ASSIGNOR, to the APPLICATION (and APPLICATION) the APPLICATION (and APPLICATION).	NE O'DONOVAN, KI rented subject matter rented subject matter rentitled "DOMAIN hich: but this executed Properties, ASS acon L.L.P. 2555 Grossociated with custors s (Application No plication No. and fility lightly herewith; rashington Corporation, is entitled to, and interest in the III patents derived the ASSIGNOR hereby usive rights, title and N DERIVATIVES); te all instruments and derived therefrom, and the subject of the s	er ("INVENTION") disclosed and/or is SPECIFIC QUERY-COMPLETION ATENT ASSIGNMENT. ASSIGNOR IGNEE'S legal representatives, of rand Blvd., Kansas City, Missouristomer number 45809, to insert, filed) this ing date, when known; an Application No13/288,593; tion, on behalf of itself and its and is desirous of acquiring, the NVENTION and the APPLICATION therefrom, such as continuing cories, and all foreign countries receipt of which is hereby by sells, assigns and transfers to d interest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting
	-	
XIN LIU	Date	Printed Name in Native Language
NITIN AGRAWAL	Date	Printed Name in Native Language
AMES FRANCIS GILSINAN IV	Date	Printed Name in Native Language
	Page 1 of 3	•

PATENT REEL: 027500 FRAME: 0082

JAMES B. LAWSON	Date	Printed Name in Native Language
BRIAN MACDONALD	Date	Printed Name in Native Language
MAIRÉAD ÁINE O'DONOVAN	Date	Printed Name in Native Language
KIMBERLY M. VLCEK	Date	Printed Name in Native Language
NIPOON MALHOTRA	Date	Printed Name in Native Language

Inventor Name	Date	Printed Name in Native Language
Inventor Name	Date	Printed Name in Native Language

PATENT ASSIGNMENT

BRIAN MACDONALD, MAIRÉAD A MALHOTRA ("ASSIGNOR"), have in claimed in a patent application SUGGESTIONS" ("APPLICATION"), will be filed with hereby authorize Shook, Hardy & 64108, who are here in parenthes APPLICATION'S A was filed on 11/0 is filed concurrent Microsoft Corporation, a successors and assigns ("ASSIGN entire and exclusive rights, title (and all other applications an applications, in and for the Un ("APPLICATION DERIVATIVES")); For good and valuable acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and excite APPLICATION (and APPLICATION ASSIGNOR agrees to executating and prosecution of the	AINE O'DONOVAN, Knownted subject mattern entitled "DOMAI which: nout this executed I s, and requests, AS Bacon L.L.P. 2555 Chassociated with cutis (Application No. and file) 3/2011 and was gively herewith; Washington Corporate (EE"), is entitled to, and interest in the dipatents derived ited States, its territied States, its territied consideration, the ASSIGNOR here clusive rights, title a DN DERIVATIVES); ute all instruments APPLICATION (and derived therefrom,	GILSINAN IV, JAMES B. LAWSON, CIMBERLY M. VLCEK, and NIPOON OF ("INVENTION") disclosed and/or N SPECIFIC QUERY-COMPLETION PATENT ASSIGNMENT. ASSIGNOR SIGNEE'S legal representatives, of Grand Blvd., Kansas City, Missouri stomer number 45809, to insert, filed) this ling date, when known; ren Application No13/288,593; ation, on behalf of itself and its and is desirous of acquiring, the INVENTION and the APPLICATION therefrom, such as continuing itories, and all foreign countries are receipt of which is hereby by sells, assigns and transfers to and interest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting TION DERIVATIVES).
XIN LIU	Date	Printed Name in Native Language
Quy_	12/20/11	NITIN AGRAWAL
NITIN AGRAWAL	Date	Printed Name in Native Language
AMES FRANCIS GILSINAN IV	Date	Printed Name in Native Language
	Page 1 of 3	

Page I of 3

JAMES B. LAWSON	Date	Printed Name in Native Language
BRIAN MACDONALD	Date	Printed Name in Native Language
MAIRÉAD ÁINE O'DONOVAN	Date	Printed Name in Native Language
KIMBERLY M. VLCEK	 Date	Printed Name in Native Language
NIPOON MALHOTRA	 Date	Printed Name in Native Language

Inventor Name	Date	Printed Name in Native Language
Inventor Name	Date	Printed Name in Native Language

claimed in a patent application SUGGESTIONS" ("APPLICATION"), will be filed with hereby authorized Shook, Hardy & 64108, who are here in parenthe APPLICATION'S A was filed on 11/ is filed concurred Microsoft Corporation, a successors and assigns ("ASSIGNED and all other applications and applications, in and for the Unit ("APPLICATION DERIVATIVES"));	nvented subject matter on entitled "DOMAIN which: hout this executed Ples, and requests, ASS Bacon L.L.P. 2555 Greassociated with custosis (Application NoApplication No. and fill 03/2011 and was given the last of the l	IMBERLY M. VLCEK, and NIPOON or ("INVENTION") disclosed and/or N SPECIFIC QUERY-COMPLETION ATENT ASSIGNMENT. ASSIGNOR SIGNEE'S legal representatives, of rand Blvd., Kansas City, Missouri stomer number 45809, to insert, filed) this ing date, when known; on Application No13/288,593; ation, on behalf of itself and its and is desirous of acquiring, the invention and the APPLICATION therefrom, such as continuing tories, and all foreign countries or receipt of which is hereby
acknowledged by the ASSIGNOR the ASSIGNEE, the entire and ex the APPLICATION (and APPLICAT ASSIGNOR agrees to exe making and prosecution of the litigation regarding letters paten and perfecting title to the APPLICATION	the ASSIGNOR herelactusive rights, title are ion DERIVATIVES); cute all instruments e APPLICATION (and int derived therefrom, and CATION (and APPLICATION)	
acknowledged by the ASSIGNOR the ASSIGNEE, the entire and ex the APPLICATION (and APPLICAT ASSIGNOR agrees to exe making and prosecution of the litigation regarding letters paten and perfecting title to the APPLICATION	t, the ASSIGNOR herel clusive rights, title ar ION DERIVATIVES); cute all instruments e APPLICATION (and at derived therefrom, a	and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting
acknowledged by the ASSIGNOR the ASSIGNEE, the entire and ex the APPLICATION (and APPLICAT ASSIGNOR agrees to exe making and prosecution of the	the ASSIGNOR herelactusive rights, title are ion DERIVATIVES); cute all instruments e APPLICATION (and int derived therefrom, and CATION (and APPLICATION)	and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting TION DERIVATIVES).
acknowledged by the ASSIGNOR the ASSIGNEE, the entire and ex the APPLICATION (and APPLICAT ASSIGNOR agrees to exe making and prosecution of the litigation regarding letters pater and perfecting title to the APPLICATION	the ASSIGNOR herels clusive rights, title ar ION DERIVATIVES); cute all instruments e APPLICATION (and at derived therefrom, a CATION (and APPLICATION) and APPLICATION (and APPLICATION).	and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting FION DERIVATIVES). Printed Name in Native Language

Page 1 of 3

JAMES B. LAWSON	Date	Printed Name in Native Language
BRIAN MACDONALD	Date	Printed Name in Native Language
MAIRÉAD ÁINE O'DONOVAN	Date	Printed Name in Native Language
KIMBERLY M. VLCEK	Date	Printed Name in Native Language
NIPOON MALHOTRA	 Date	Printed Name in Native Language

Inventor Name	Date	Printed Name in Native Language
Inventor Name	Date	Printed Name in Native Language

BRIAN MACDONALD, MAIRÉAD ÁI MALHOTRA ("ASSIGNOR"), have involaimed in a patent application SUGGESTIONS" ("APPLICATION"), w will be filed without hereby authorizes Shook, Hardy & B. 64108, who are a here in parenthesis APPLICATION's Ap was filed on 11/03 is filed concurrent Microsoft Corporation, a V successors and assigns ("ASSIGNE entire and exclusive rights, title a (and all other applications and applications, in and for the Unit ("APPLICATION DERIVATIVES")); For good and valuable acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and exclute the APPLICATION (and APPLICATION)	NE O'DONOVAN, KIN rented subject matter rented secuted PA rented secuted with custor rented secuted secuted secuted secuted rented r	r ("INVENTION") disclosed and/or SPECIFIC QUERY-COMPLETION ATENT ASSIGNMENT. ASSIGNOR IGNEE'S legal representatives, of and Blvd., Kansas City, Missouri tomer number 45809, to insert, filed) this ing date, when known; in Application No13/288,593; tion, on behalf of itself and its ind is desirous of acquiring, the NVENTION and the APPLICATION therefrom, such as continuing tories, and all foreign countries receipt of which is hereby by sells, assigns and transfers to ad interest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting
XIN LIU	Date	Printed Name in Native Language
NITIN AGRAWAL	Date	Printed Name in Native Language
JAMES FRANCIS GILSINAN IV	Date	Printed Name in Native Language

Page 1 of 3

Jan Fren	11/14/2011	JAMES B. LAWSON
JAMES B. LAWSON	Date	Printed Name in Native Language
BRIAN MACDONALD	Date	Printed Name in Native Language
MAIRÉAD ÁINE O'DONOVAN	Date	Printed Name in Native Language
KIMBERLY M. VLCEK	Date	Printed Name in Native Language
NIPOON MALHOTRA	Date	Printed Name in Native Language

Inventor Name	Date	Printed Name in Native Language
Inventor Name	Date	Printed Name in Native Language

BRIAN MACDONALD, MAIRÉAD ÁII MALHOTRA ("ASSIGNOR"), have involved in a patent application SUGGESTIONS" ("APPLICATION"), with will be filed without hereby authorizes, Shook, Hardy & Ba 64108, who are a here in parenthesis APPLICATION's Application, a Was filed on 11/03 is filed concurrent Microsoft Corporation, a Wasuccessors and assigns ("ASSIGNE entire and exclusive rights, title a (and all other applications and applications, in and for the Unit ("APPLICATION DERIVATIVES")); For good and valuable acknowledged by the ASSIGNOR, to the ASSIGNEE, the entire and exclusive the APPLICATION (and APPLICATION).	NE O'DONOVAN, KINE ented subject matter entitled "DOMAIN hich: but this executed PA, and requests, ASS acon L.L.P. 2555 Grassociated with custs (Application No. and filits (Application No. and interest in the III patents derived the States, its territs (Consideration, the the ASSIGNOR herebusive rights, title and N DERIVATIVES); te all instruments a APPLICATION (and derived therefrom, and aderived therefrom (Application (Appli	r ("INVENTION") disclosed and/or SPECIFIC QUERY-COMPLETION ATENT ASSIGNMENT. ASSIGNOR IGNEE'S legal representatives, of and Blvd., Kansas City, Missouri tomer number 45809, to insert, filed) this and date, when known; an Application No13/288,593; tion, on behalf of itself and its and is desirous of acquiring, the NVENTION and the APPLICATION therefrom, such as continuing tories, and all foreign countries receipt of which is hereby by sells, assigns and transfers to ad interest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting
XIN LIU	Date	Printed Name in Native Language
NITIN AGRAWAL	Date	Printed Name in Native Language
IAMES FRANCIS GILSINAN IV	Date	Printed Name in Native Language

Page 1 of 3

4644802 v1

PATENT REEL: 027500 FRAME: 0094

JAMES B. LAWSON	Date	Printed Name in Native Language
0	11/29/2011	Brian MacDonald
BRIAN MACDONALD	Date	Printed Name in Native Language
MAIRÉAD ÁINE O'DONOVAN	Date	Printed Name in Native Language
KIMBERLY M. VLCEK	Date	Printed Name in Native Language
NIPOON MALHOTRA	Date	Printed Name in Native Language

Inventor Name	Date	Printed Name in Native Language
	· · · · · · · · · · · · · · · · · · ·	
Inventor Name	Date	Printed Name in Native Language

PATENT ASSIGNMENT

BRIAN MACDONALD, MAIRÉAD ÁI MALHOTRA ("ASSIGNOR"), have involaimed in a patent application SUGGESTIONS" ("APPLICATION"), with the begins of th	NE O'DONOVAN, KI vented subject matter n entitled "DOMAIN hich: but this executed P. n, and requests, ASS acon L.L.P. 2555 Gr associated with cus s (Application No. and file B/2011 and was give ly herewith; Vashington Corpora E"), is entitled to, a and interest in the I l patents derived ted States, its terri- consideration, the the ASSIGNOR herel usive rights, title ar by DERIVATIVES); ite all instruments APPLICATION (and derived therefrom, a	er ("INVENTION") disclosed and/or I SPECIFIC QUERY-COMPLETION ATENT ASSIGNMENT. ASSIGNOR EIGNEE'S legal representatives, of rand Blvd., Kansas City, Missouri tomer number 45809, to insert, filed) this ing date, when known; en Application No13/288,593; etion, on behalf of itself and its and is desirous of acquiring, the NVENTION and the APPLICATION therefrom, such as continuing tories, and all foreign countries er receipt of which is hereby by sells, assigns and transfers to and interest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting
XIN LIU	Date	Printed Name in Native Language
NITIN AGRAWAL	Date	Printed Name in Native Language
IAMES FRANCIS GILSINAN IV	Date	Printed Name in Native Language

Page 1 of 3

		the state of the s
JAMES B. LAWSON	Date	Printed Name in Native Language
BRIAN MACDONALD	Date	Printed Name in Native Language
	11/9/2011	MATRÉAN AINE O'DONOVAN
MAIRÉAD ÁINE O'DONOVAN	Date	Printed Name in Native Language
KIMBERLY M. VLCEK	Date	Printed Name in Native Language
NIPOON MALHOTRA	Date	Printed Name in Native Language

Inventor Name	Date	Printed Name in Native Language
Inventor Name	Date	Printed Name in Native Language

BRIAN MACDONALD, MAIRÉAD ÁI MALHOTRA ("ASSIGNOR"), have involaimed in a patent application SUGGESTIONS" ("APPLICATION"), with the begins of th	NE O'DONOVAN, KILL vented subject matter n entitled "DOMAIN which: but this executed PA , and requests, ASSI acon L.L.P. 2555 Gr associated with cust s (Application No. and fili B/2011 and was give ly herewith; Vashington Corporat EE"), is entitled to, a and interest in the III d patents derived ted States, its territ consideration, the the ASSIGNOR herek lusive rights, title an DN DERIVATIVES); Ite all instruments a APPLICATION (and derived therefrom, a	r ("INVENTION") disclosed and/or SPECIFIC QUERY-COMPLETION ATENT ASSIGNMENT. ASSIGNOR IGNEE'S legal representatives, of and Blvd., Kansas City, Missouri tomer number 45809, to insert, filed) this ing date, when known; in Application No13/288,593; tion, on behalf of itself and its ind is desirous of acquiring, the NVENTION and the APPLICATION therefrom, such as continuing tories, and all foreign countries receipt of which is hereby by sells, assigns and transfers to ind interest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting
XIN LIU	Date	Printed Name in Native Language
NITIN AGRAWAL	Date	Printed Name in Native Language
JAMES FRANCIS GILSINAN IV	Date	Printed Name in Native Language
	Page 1 of 3	

Page 1 of 3

JAMES B. LAWSON	Date	Printed Name in Native Language
i katanan i ikulan mengahi kepada katanan pencin katanan pencin mengan mengan mengan mengan katanan pencin bersah pencin menuntuk bersah katanan pencin bersah pencin bers	er kar - Allenga göröpungki kepada silan asana membahnya kepilannan pembahki simban	
BRIAN MACDONALD	Date	Printed Name in Native Language
MAIRÉAD ÁINE O'DONOVAN	Date	Printed Name in Native Language
Villy MAL	11/9/11	KIMBERET M. VICER
KIMBERLY M. VLCEK	Date	Printed Name in Native Language
santan mana pipun ta anaman indisangan pangan pangan pangan ang pangan at mananan pangan at mananan pangan pan	ninte. The state of the state o	
NIPOON MALHOTRA	Date	Printed Name in Native Language

Inventor Name	Date	Printed Name in Native Language
Inventor Name	Date	Printed Name in Native Language

BRIAN MACDONALD, MAIRÉAD ÁIR MALHOTRA ("ASSIGNOR"), have investigated in a patent application SUGGESTIONS" ("APPLICATION"), who will be filed witho hereby authorizes, Shook, Hardy & Ba 64108, who are a here in parenthesis	NE O'DONOVAN, KINented subject matter entitled "DOMAIN nich: ut this executed PA and requests, ASSI acon L.L.P. 2555 Grassociated with custs (Application No.	r ("INVENTION") disclosed and/or
	•	n Application No13/288,593;
successors and assigns ("ASSIGNE entire and exclusive rights, title a (and all other applications and applications, in and for the Unite ("APPLICATION DERIVATIVES")); For good and valuable acknowledged by the ASSIGNOR, the ASSIGNEE, the entire and excluthe APPLICATION (and APPLICATION)	dashington Corporate"), is entitled to, a nd interest in the Inpatents derived to ed States, its territe consideration, the che ASSIGNOR herebusive rights, title an N DERIVATIVES); te all instruments and APPLICATION (and derived therefrom, and	NVENTION and the APPLICATION therefrom, such as continuing ories, and all foreign countries receipt of which is hereby by sells, assigns and transfers to d interest in the INVENTION and and documents required for the APPLICATION DERIVATIVES), for and for the purpose of protecting
XIN LIU	Date	Printed Name in Native Language
NITIN AGRAWAL	Date	Printed Name in Native Language
JAMES FRANCIS GILSINAN IV	Date	Printed Name in Native Language
	Dago 1 of 2	

Page 1 of 3

JAMES B. LAWSON	Date	Printed Name in Native Language
BRIAN MACDONALD	Date	Printed Name in Native Language
MAIRÉAD ÁINE O'DONOVAN	Date	Printed Name in Native Language
KIMBERLY M. VLCEK	Date [1/9/2011	Printed Name in Native Language
NIPOON MALHOTRA	Date	Printed Name in Native Language

PATENT ASSIGNMENT

Inventor Name	Date	Printed Name in Native Language
Inventor Name	 Date	Printed Name in Native Language

Page 3 of 3

4644802 v1

PATENT REEL: 027500 FRAME: 0105