PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT5520198

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

CONVEYING PARTY DATA

Name	Execution Date
KAHEER SULEMAN	05/27/2014
JOSHUA R. PANTONY	09/07/2014
WILSON HSU	06/18/2014
ZHIYUAN WU	05/27/2014
PHIL TREGENZA	06/09/2014
SAM PASUPALAK	05/27/2014

RECEIVING PARTY DATA

Name:	MALUUBA INC.
Street Address: 140 COLUMBIA STREET WEST	
City:	WATERLOO
State/Country:	CANADA
Postal Code:	N2L 3K8

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	16410641

CORRESPONDENCE DATA

Fax Number:

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.

Phone: 612-332-5300

Email: usdocket@microsoft.com

Correspondent Name: MERCHANT & GOULD (MICROSOFT)

Address Line 1: P.O. BOX 2903

Address Line 4: MINNEAPOLIS, MINNESOTA 55402-0903

ATTORNEY DOCKET NUMBER:	14917.3176USC1/800013USC1
NAME OF SUBMITTER:	KATHLEEN E. OTT
SIGNATURE:	/Kathleen E. Ott/
DATE SIGNED:	05/13/2019

Total Attachments: 75

PATENT REEL: 049161 FRAME: 0884

505473394

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> PATENT REEL: 049161 FRAME: 0885

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> PATENT REEL: 049161 FRAME: 0886

	WHEREAS, I/WE, (hereinafter referred to	as the "ASSIGNOR(S)"):
KAHEER S	GULEMAN	
Address:	322 Salisbury Ave	
	Combridge On	
	N15 4PS	
ar e		
ZHIYUAN	WU	
Address:	337 Spruce St. Unit 302	
	Woterloo ON	
	NIL3M6.	
PHIL TRE	GENZA	
Address:	602 Silverbirch unit)	•
	Waterloo ON	
	NZL 4R4	
SAM PASU	PALAK	
Address:	#107, 383 ALBERTST.	
	WATERLOO ON	
	N2L3KC	

has/have inv	rented a METHOD AND SYSTEM OF CI	ASSIFICATION IN A NATURAL
LANGUAG	E USER INTERFACE ("Invention") for v	which one or more applications for patent,
	tration, utility model registration, or other for be made in certain countries ("Applications	
DECH OF WILL	oc made in certain commies (Applications	, to future described below.

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said

United States Patent Application No. 14/233,640 , Filed January 17, 2014

Page 1 of 3

Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: May 27, 2014	Kalpar Suleman
	KAHEER SULEMAN
Date: May 27, 2014	ZIKATUAN WU
Date: June 9 2014	PHIL TREGENZA
Date: May 27, 2014	San Parupula
	SAM PASUPALAK

STATEMENT BY WITNESS

I. Richard Mar, whose full Post Office address is

1300 Yonge Street, Toronto, Ontario

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: June 9,2014

(Signature of Witness)

Page 3 of 3

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

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Address:	4310	ciescen	t 5t.	apt 510	
_	NE Nr.				
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has/have invented a NATURAL LANGUAGE PROCESSING DIALOG SYSTEM FOR OBTAINING GOODS, SERVICES OR INFORMATION and METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

Canadian Patent Application 2,747,153 filed July 19, 2011
United States Provisional Application 61/596,407 filed February 8, 2012
PCT International Application No. PCT/CA2012/000685 filed July 19, 2012
United States Patent Application No. 14/233,640 filed January 17, 2014
European Patent Application No. 12814991.1 filed January 24, 2014

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any

extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

Date	: Sept	7, 2	2014		J9m	porier	<u>~</u>		
		,			JOSHUA R	R. PANTONY			
	TEMENT F <u>Samant</u> 4-3-10	l ha	Rahma	•			Office address is エミルル ムナタ	, NT, 11101,	usl
					ress of Witne		,	/ /	//
							person, personall gn and execute sa		
Date	: <u>sert.</u>	7, 2	014		Signature of	of Witness)			

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

Address:	277 Beechlawn Dr	
	Waterloo ON N2L5W8	

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

United States Patent Application No. 14/233,640 , Filed January 17, 2014

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention:

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals

Page 1 of 3

and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

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THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: _	7105,81 nut	Why la
		WILSON HSU

STATEMENT BY WITNESS

I, PASCAC POUPAR Whose full Post Office address is

126 WESTFOREST TRAIL, KITCHENER, ONTARIO, CANADA N2N 3B2

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 2014-06-18

(Signature of Witness)

DECLARATION / AFFIDAVIT OF INVENTORS

The undersigned are the inventors of the invention filed with the United States Patent and Trademark Office as US application 14/233640 and hereby state and declare as follows:

- Maluuba Inc. is a corporation organized under the laws of Canada.
- In our capacities as inventors, we signed the assignment document attached hereto as Exhibit 1 in 2014.
- 3. The first, fourth and seventh pages of the assignment document attached hereto as Exhibit 1 state "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario. Canada".
- 4. There is an error in this portion of the assignment document such that the document does not reflect our intent in signing it. The reference to "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada" should have been a reference to "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of Canada". With this correction, the assignment document attached hereto as Exhibit 1 would have accurately reflected our intent in signing that document.
 - 5. We hereby declare that the foregoing statements are true to the best of our knowledge.

Dated: <u>Jeun S 2017</u>	Kuluen Suleman Signature of Kaheer Suleman		
Dated:	Signature of Joshua R. Pantony		
Dated:	Signature of Wilson Hsu		

Dated:	Signature of Zhiyuan Wu
Dated:	Signature of Phil Tregenza
Dated:	Sionature of Sam Pasimalsk

Exhibit 1

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinather referred to as the "ASSIGNOR(S)"):

KAHEER SULEMAN

Address: 322 Salabay Ave

OMDERING CON

DALS 495

ZHIYUAN WU

Address: 339 Sauce St. Unit 202

Wateless ON

N2L 3446.

PHIL TREGENZA

Address:

SAM PASUPALAK

Address:

#107, 383 ALBERTST.
WATERLOODE
NZLSKE

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

United States Patent Application No. 14/233,640 , Filed January 17, 2014

AND WHEREAS, MALUUBA INC., (hereinaster referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said

Page 1 of 3

Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer. convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection. rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same. . .

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Page 2 of 3

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: May 27, 2014

Kaharsilemer

KAHEER SULEMAN

Date: Hay 4, 204

ZHŒHAÑ WU

Date: June 1 2014

PHIL TREGENZA

Dale: Nay 27, 2014

SAM PASUPALAK

San Par

STATEMENT BY WITNESS

I, Richard Mar, whose full Post Office address is

1300 Yonge Street, Toronto, Ontario

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: June 9,2014

(Signature of Witness)

Page 3 of 3

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

JOSHUA R. PANT	ONY		v.
Address:	4310	cillacent st	apt 510
	VIC NY	USA Zir	11101
		*.	•

has/have invented a NATURAL LANGUAGE PROCESSING DIALOG SYSTEM FOR OBTAINING GOODS, SERVICES OR INFORMATION and METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

Canadian Patent Application 2,747,163 filed July 19, 2011
United States Provisional Application 61/596,407 filed February 8, 2012
PCT International Application No. PCT/CA2012/000685 filed July 19, 2012
United States Patent Application No. 14/233,540 filed January 17, 2014
European Patent Application No. 12614981.1 filed January 24, 2014

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a piace of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any

Page 1 of 3

extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

ASSIGNOR(S) does/do hereby authorize ASSIGNEE or its patent agents or attorneys to insert, above, the jurisdictions, application numbers, filing dates and any other indicia identifying the Applications when such information is available for the purpose of recording this assignment.

ASSIGNOR(S) does/do hereby authorize and request The Commissioner of Patents or any equivalent authority to issue to ASSIGNEE each and every patent, registration and other form of protection, right, and title granted upon the Applications, Further Applications, Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

Date: <u>Sept 7, 2914</u>	Jon Porse
•	JOSHUA R. PANTONY
STATEMENT BY WITNESS	
1. <u>Samentha Rehmah</u>	, whose full Post Office address is
43-10 Crescent St	rest, 10t. 510, Long Islaw Uts, NT, 11101, 45H
3	(Address of Witness)
hereby declare that I was personally pr	resent and did see the above named person, personally the Worldwide Assignment, duly sign and execute same.

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

Address:	271 Beachlawn Dr	
	Waterloo ON NZLSINS	***************************************

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

United States Patent Application No. 14/233.640 Filed January 17, 2014

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the invention:

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: Jun 18, 2014 WILSON HSU

STATEMENT BY WITNESS
L. PAKAC POUP AP Whose full Post Office address is

126 WESTFOREST TRAIL, KITCHENER ONTARIO, CANADA NZN 382

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 2014-06-18

(Signature of Witness)

DECLARATION / AFFIDAVIT OF INVENTORS

The undersigned are the inventors of the invention filed with the United States Patent and Trademark Office as US application 14/233640 and hereby state and declare as follows:

- 1. Maluuba Inc. is a corporation organized under the laws of Canada.
- 2. In our capacities as inventors, we signed the assignment document attached hereto as Exhibit 1 in 2014.
- 3. The first, fourth and seventh pages of the assignment document attached hereto as Exhibit 1 state "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada".
- 4. There is an error in this portion of the assignment document such that the document does not reflect our intent in signing it. The reference to "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada" should have been a reference to "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of Canada". With this correction, the assignment document attached hereto as Exhibit I would have accurately reflected our intent in signing that document.
 - 5. We hereby declare that the foregoing statements are true to the best of our knowledge.

Dated:	Signature of Kaheer Suleman
Dated: <u>Jan 3, 2017</u>	Signature of Joshua R. Pantony
Dated:	Signature of Wilson Hsu

1 of 2

Dated:	
	Signature of Zhiyuan Wu
Dated:	Signature of Phil Tregenza
Dated:	Signature of Sam Pacunalak

Exhibit 1

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

KAHEER SU	LEMAN
Address:	322 Salisbary Are
	Combridae On
	N15 4PS
and although the property of t	***
ZHIYUAN W	
Address:	337 Sprice St. Unit 802
	Waterloo ON
State of the state	NILSMG.
PHIL TREG	ENZA
Address:	602 Silverbirch unit)
	Waterloo ON
	NZL 4R4
	#
SAM PASUP	ALAK
Address:	#107, 383 ALBERTST.
	WATERLOO ON
	NZLSKC

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

United States Patent Application No. 14/233,640 , Filed January 17, 2014

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said

Page 1 of 3

Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: May 27, 2014	Kalson Sulemon
*	KAHEER SULEMAN
Date: <u>May 97, 2014</u>	ZINCHAN WU
<i>J</i>	ZINADAN WU
Date: <u>Juan 1 2014</u>	PHIL TREGENZA
Date: May 27, 2014	Son Paryste
	SAM PASUPALAK

STATEMENT BY WITNESS

I. Richard Mar, whose full Post Office address is

1300 Yonge Street, Toronto, Ontario

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 1 60 9, 2014

(Signature of Witness)

Page 3 of 3

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

Address:

4310	CIESCEN	<u>ነ</u> ተ	apt	510
VK VY	usA	32-ip	11101	
		,	- (

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undersigned:									
Date: 5ept 7,	2014		79m	por		Solorost.			
•		JC	SHUA I	R. PANT	TONY				
STATEMENT BY		2 .							
I, <u>Samentha</u>	Kahima	<i>N</i>	······································	, whose	full Post	Office addi	ess is		
43-10 6	rescent_	Street	124.	510,	Long	Z51850	447,	NT, MOI,	usH
		(Address						* ·	
hereby declare that I known to me to be a	was personall person named	y present and in the World	d did see dwide As	the abov signmen	e named t, duly si	person, per gn and exec	sonally oute san	ne.	

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

WILSON H		
Address:	271 Beechlawn Dr	
	Waterloo ON N2L5W8	

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

United States Patent Application No. 14/233,640 , Filed January 17, 2014

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 146 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention:

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Date: Jun 18, 2014	Why be
	WILSON HSU

STATEMENT BY WITNESS

I, PASCAC PAUPAR Whose full Post Office address is

126 WESTFOREST TRAIL, KITCHENER, ONTARIO, CANADA NZN 382
(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 2014-06-18

(Signature of Witness)

DECLARATION / AFFIDAVIT OF INVENTORS

The undersigned are the inventors of the invention filed with the United States Patent and Trademark Office as US application 14/233640 and hereby state and declare as follows:

- Maluuba Inc. is a corporation organized under the laws of Canada.
- In our capacities as inventors, we signed the assignment document attached hereto as Exhibit 1 in 2014.
- 3. The first, fourth and seventh pages of the assignment document attached hereto as Exhibit 1 state "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada".
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 - 5. We hereby declare that the foregoing statements are true to the best of our knowledge.

Dated:	
	Signature of Kaheer Suleman
Dated:	Signature of Joshua R. Pantony
Dated: <u>18031, 70/6</u>	Signature of Wilson Hsu

Loaneu;	Signature of Zhiyuan Wu
Dated:	Signature of Phil Tregenza
Dated:	Signature of Sam Paginala

Exhibit 1

WORLDWIDE ASSIGNMENT

	WHEREAS, I/WE, (hereinafter referred to as the	ie "ASSIGNOR(S)");
KAHEER!	1. The state of th	V. W. St.
Address:	322 Salisbary Ave Combridge On	
y.	N15 485	
ZHIYUAN	WU	
Address:	237 Sprice St. Unit 902 Withelion 30	
	NLL3M6.	4 4
PHILTRE	GENZA	•
Address:	602 Silverbinch Unit)	
	Waterlos ON	
SAM PASU	PALAK	
Address:	#107, 383 ALBERTST.	
	WATERLOO ON	

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Divisionals and Extensions.

THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date:	May	, 27,	2014
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Kahansulemen

KANEER SULEMAN

Date: <u>Hay 4, 201</u>4

ZINGHAN WU

Date: June 1 2014

PĤIL TREGENZA

Date: <u>May 27, 2014</u>

SAM PASUPALAK

San Paw

STATEMENT BY WITNESS

I, Richard Mar, whose full Post Office address is

1300 Yonge Street, Toronto, Ontario

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 1600 9,2014

(Signature of Witness)

Page 3 of 3

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

JOSHUA R. F	'ANTONY				
Address:	4310	ciescen	* 5±	901	510
	Vk. Vr.	us A	» '/	11101	
		annii ina kanan kana			

has/have invented a NATURAL LANGUAGE PROCESSING DIALOG SYSTEM FOR OBTAINING GOODS, SERVICES OR INFORMATION and METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

Canadian Patent Application 2,747,153 filed July 19, 2011
United States Provisional Application 61/596,407 filed February 8, 2012
PCT International Application No. PCT/CA2012/000685 filed July 19, 2012
United States Patent Application No. 14/233,640 filed January 17, 2014
European Patent Application No. 12814991.1 filed January 24, 2014

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any

extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

ASSIGNOR(S) does/do hereby agree, upon request, to provide assistance and to execute any and all further documents, at the expense of ASSIGNEE and/or its successors and assigns (as applicable), which may be necessary or desirable to enable ASSIGNEE, and/or its successors and assigns (as applicable), to file, prosecute, bring proceedings and take other actions with respect to any and all of the Invention, Applications, Further Applications, Divisionals, Grants and Extensions, and any and all patents and registrations granted thereon and other forms of protection, rights and titles relating thereto, and ASSIGNOR(S) further agrees/agree to execute, upon request and at the expense of ASSIGNEE and/or its successors and assigns (as applicable), any and all further documents which may be necessary or desirable to vest or perfect the title of ASSIGNEE therein.

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THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

Date: 52 PT 1, 2014	792	Prome	
	JOSHUA R	. PANTONY	
STATEMENT BY WITNESS			
. <u>Samentha Rahmah</u>	······································	whose full Post Offic	e address is
			•
43-10 Crescent s	treet, 10t.	Slo, Long Zi	1124 4ty NT, 11101,
43-10 Crescent 5	treet, Apt. (Address of Witnes		1104 11ty, NT, 11101,
43,40 Crescent 5	(Address of Witner	ss)	

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

	and the state of the	
Address:	291 Beechlaun Dr	
	Waterloo ON N2L5W8	

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: Jun 18, 2014 UNCON HELL

STATEMENT BY WITNESS
I. PASKAL POPAR Whose full Post Office address is

126 WESTFOREST TRAIL, KITCHENER ONTARIO, CANADA NON 362

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 2014-06-18

(Signature of Witness)

DECLARATION / AFFIDAVIT OF INVENTORS

The undersigned are the inventors of the invention filed with the United States Patent and Trademark Office as US application 14/233640 and hereby state and declare as follows:

- 1. Maluuba Inc. is a corporation organized under the laws of Canada.
- In our capacities as inventors, we signed the assignment document attached hereto as Exhibit 1 in 2014.
- 3. The first, fourth and seventh pages of the assignment document attached hereto as Exhibit 1 state "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada".
- 4. There is an error in this portion of the assignment document such that the document does not reflect our intent in signing it. The reference to "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada" should have been a reference to "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of Canada". With this correction, the assignment document attached hereto as Exhibit 1 would have accurately reflected our intent in signing that document.
 - 5. We hereby declare that the foregoing statements are true to the best of our knowledge.

Dated:	
	Signature of Kaheer Suleman
Dated:	
	Signature of Joshua R. Pantony
Dated:	
	Signature of Wilson Hsu

Dated: 34,2017	Signature of Zhiyuan Wu
Dated:	Signature of Phil Tregenza
Dated:	Signature of Sam Pasupalak

Exhibit 1

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

KAHEER SULEMAN

Address:

CHYDYICLE CO

DALS UPS

ZHIYUAN WU

Address:

Latele ON

NUL 3M6

PHIL TREGENZA

Address:

602 Silverbined Unit?

SAM PASUPALAK

Address:

#107, 383 ALBERTST.
WATERLOOD

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

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Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection. rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any extensions / supplementary protection certificates ("Extensions"); together with the right to bring proceedings to recover damages and/or to obtain other remedies for acts committed in respect of one or more of the aforesaid Invention, Applications, Grants, Further Applications, Divisionals and Extensions, whether such acts are committed before or after the date of this Worldwide Assignment; with the intent that the Invention, Applications, Grants, Further Applications, Divisionals and Extensions are owned and enjoyed by ASSIGNEE absolutely to the full end of the term or terms for same.

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Page 2 of 3

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: May 27, 2014

<u>'KOV/O/ Zu.Ve*mo*</u> Kaheer suleman

Date:

May 47,204

Date: June 1 2014

Date: May 27, 2014

ZIKKHANWU

PHIL TREGENZA

Son Porgo

SAM PASUPALAK

STATEMENT BY WITNESS

I. Richard Mar, whose full Post Office address is

1300 Yonge Street, Toronto, Ontario

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 1 600 9,2014

(Signature of Witness)

Page 3 of 3

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

JUSHUA K. PANTU	MX				
Address:	4310	ciescen	† 5 <u>†</u>	971	510
	VIC. NY.	us A	≫ .`/	11101	***************************************
		······	·		2000000

has/have invented a NATURAL LANGUAGE PROCESSING DIALOG SYSTEM FOR OBTAINING GOODS, SERVICES OR INFORMATION and METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

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United States Provisional Application 61/596,407 filed February 8, 2012
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IN WITNESS W undersigned:	HEREOF, this V	/orldwide As	signment	has beer	executed	i below by	the		
Date: Sept	7, 2014		Дэн.	Pos					
	•	J	OSHUA	R. PANT	TONY				
STATEMENT B I, <u>Sament</u> 43-10	Y WITNESS ha Rahun e Crescent		As+.	,,		Office addr	,	NT, 11101	الدي الديرة
***************************************						**********	//		* 7 /4
hereby declare th known to me to t									
Date: <u>Sert.</u>	7,2014	Ţ.	<u>S//</u> iignature	1 12 of Witne	:55)				

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

Address:	_299 Beachlawn Dr	
	Waterloo ON NZLSW8	

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: Jun 18, 2014	Why la
	WILSON HSU

STATEMENT BY WITNESS

I. PASCAC POPAPT Whose full Post Office address is

126 WESTFOREST TRAIL, KITCHENER ONTARIO, CANADA NON 382

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same,

Date: 2014-06-18

(Signature of Witness)

DECLARATION / AFFIDAVIT OF INVENTORS

The undersigned are the inventors of the invention filed with the United States Patent and Trademark Office as US application 14/233640 and hereby state and declare as follows:

- 1. Maluuba Inc. is a corporation organized under the laws of Canada.
- 2. In our capacities as inventors, we signed the assignment document attached hereto as Exhibit 1 in 2014.
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 - 5. We hereby declare that the foregoing statements are true to the best of our knowledge.

Dated:	
	Signature of Kaheer Suleman
Dated:	
	Signature of Joshua R. Pantony
Dated:	
	Signature of Wilson Hsu

Dated:	Signature of Zhiyuan Wu
Dated: <u> </u>	Signature of Phil Tregenza
Dated:	Signature of Sam Passinalak

Exhibit 1

WORLDWIDE ASSIGNMENT

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

KAHEEK	SULEMAN
Address:	322 Salisbay Ave
	Combridge On
	N15 4P5
is a	•
ZHIYUAN	WU
Address:	337 Spruce St. Unit 302
	Woterloo ON
	NIL3M6.
PHIL TRE	GENZA
Address:	602 Silverbirch unit)
	Waterloo ON
	NZL 4R4
SAM PASU	JPALAK
Address:	#107, 383 ALBERTST.
	WATERLOO ON
	N2L3KC

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THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

DELIVERY of this Worldwide Assignment by copy, however transmitted, constitutes valid and effective delivery. This Worldwide Assignment may be executed in one or more counterparts, each of which when so executed and delivered shall be an original, and such counterparts shall together constitute one and the same instrument.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: May 27, 2014	Kalson Sulemon
	KAHEER SULEMAN
Date: May 27, 2014	
	ZHATUAN WU
Date: June 9 2014	PHIL TREGENZA
Date: May 27, 2014	San Pasupole
	SAM PASUPALAK
at the second of	

STATEMENT BY WITNESS

I. Richard Mar, whose full Post Office address is

1300 Yonge Street, Toronto, Ontario

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: June 9,2014

(Signature of Witness)

Page 3 of 3

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

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Address:	4310	ciescen	t 5t.	apt 510	
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has/have invented a NATURAL LANGUAGE PROCESSING DIALOG SYSTEM FOR OBTAINING GOODS, SERVICES OR INFORMATION and METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

Canadian Patent Application 2,747,153 filed July 19, 2011
United States Provisional Application 61/596,407 filed February 8, 2012
PCT International Application No. PCT/CA2012/000685 filed July 19, 2012
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European Patent Application No. 12814991.1 filed January 24, 2014

AND WHEREAS, MALUUBA INC., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada, having a place of business at 140 COLUMBIA STREET WEST, WATERLOO, ONTARIO, CANADA, is desirous of acquiring the full and exclusive right, title and interest in and to said Invention, said Applications inclusive of all ancillary rights relating thereto, any and all priority rights derived from said Applications, and all patents, design registrations, utility model registrations and other forms of protection, rights and titles relating to said Invention, in any country or countries and in respect of the whole or any part or parts of or improvements to the Invention;

NOW THEREFORE, for valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR(S) does/do hereby confirm that ASSIGNOR(S) has/have transferred, conveyed and assigned, and by way of further assurance does/do hereby transfer, convey and assign, any and all of ASSIGNOR(S)'s respective rights, title and interest in and to: the Invention; the Applications; any further applications for patent, design registration, utility model registration or other forms of protection, rights or titles for the whole or any part or parts of or improvements to the Invention in any country or countries ("Further Applications") together with the right to file divisional applications, substitute applications and continuation applications of any one or more of the Applications and Further Applications ("Divisionals"); the right to obtain patents, design registrations, utility model registrations and all other forms of protection, rights and titles relating to the Invention; the right in and to any patent or reissue patent relating to the Applications, Further Applications and Divisionals ("Grants"); and the right to obtain any

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THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

Date	: Sept	7, 2	2014	J9m	porier	<u>~</u>		
		,		JOSHUA R	R. PANTONY			
	TEMENT F <u>Samant</u> 4-3-10	L ha	Rahma			Office address is エミルル ムナタ	, NT, 11101,	usl
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						person, personall gn and execute sa		
Date	: <u>sert.</u>	7, 2	014	Signature of	of Witness)			

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

Address:	277 Beechlawn Dr	
	Waterloo ON N2L5W8	

has/have invented a METHOD AND SYSTEM OF CLASSIFICATION IN A NATURAL LANGUAGE USER INTERFACE ("Invention") for which one or more applications for patent, design registration, utility model registration, or other form of protection, rights, or title have been or will be made in certain countries ("Applications"), as further described below:

United States Patent Application No. 14/233,640 , Filed January 17, 2014

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THIS WORLDWIDE ASSIGNMENT shall inure to the benefit of ASSIGNEE and its successors and assigns, and shall be binding upon ASSIGNOR(S) and their successors and permitted assigns.

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: _	Jun 18, 2014	Whi la	
		WILSON HSII	

STATEMENT BY WITNESS

I, PASCAC POUPAR Whose full Post Office address is

126 WESTFOREST TRAIL, KITCHENER, ONTARIO, CANADA N2N 3B2

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: 2014-06-18

(Signature of Witness)

DECLARATION / AFFIDAVIT OF INVENTORS

The undersigned are the inventors of the invention filed with the United States Patent and Trademark Office as US application 14/233640 and hereby state and declare as follows:

- Maluuba Inc. is a corporation organized under the laws of Canada.
- In our capacities as inventors, we signed the assignment document attached hereto as
 Exhibit 1 in 2014.
- 3. The first, fourth and seventh pages of the assignment document attached hereto as Exhibit I state "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada".
- 4. There is an error in this portion of the assignment document such that the document does not reflect our intent in signing it. The reference to "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of the Province of Ontario, Canada" should have been a reference to "Maluuba Inc., (hereinafter referred to as the "ASSIGNEE"), a company organized under the laws of Canada". With this correction, the assignment document attached hereto as Exhibit 1 would have accurately reflected our intent in signing that document.
 - 5. We hereby declare that the foregoing statements are true to the best of our knowledge.

Dated:	Signature of Kaheer Suleman
Dated:	Signature of Joshua R. Pantony
Dated:	Signature of Wilson Hsu

Dated:	Signature of Zhiyuan Wu
Dated:	Signature of Phil Tregenza
Dated: 3/1/2013	San Pargalak

Exhibit 1

WORLDWIDE ASSIGNMENT

	WHEREAS, I/WE, (hereinafter referred to as the "AS	SIGNOR(S)"):
KAHEER!	SULEMAN	
Address:	3/2 Suybay Ar	
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ZHIYUAN	WU	
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	Voteloo ON	
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PHIL TRE	GENZA	
Address:	602 Silverbirch Unit)	
	Water 100 ON	
and the second	manus air Werk	
SAM PASI	San Control Co	
Address:	#107, 383 ALBERT ST.	
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Page 2 of 3

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IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the undersigned:

Date: May 27, 2014 KAHEER SULEMAN

ZINS PLAC WU

Date: Nay 27, 2014 San Pasupalak

STATEMENT BY WITNESS

I, Richard Mar, whose full Post Office address is

1300 Yonge Street, Toronto, Ontario

(Address of Witness)

hereby declare that I was personally present and did see the above named persons, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: June 9,2014

(Signature of Witness)

Page 3 of 3

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)"):

JOSHUA R. PANTONY
Address: 4 7/0 6/1

4310 CIRSCENT ST. AFT SID NR. Nr. USA ZIV 11101

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Date: Sept 7, 2014

JOSHUA R. PANTONY

STATEMENT BY WITNESS

I. Samontha Rahmah , whose full Post Office address is

+3-10 Crescent Street, 10t. \$10, Long Zsing City, Nt, 1101, 165,4

(Address of Witness)

hereby declare that I was personally present and did see the above named person, personally known to me to be a person named in the Worldwide Assignment, duly sign and execute same.

Date: Sept 7, 2014

(Signature of Witness)

IN WITNESS WHEREOF, this Worldwide Assignment has been executed below by the

undersigned:

WHEREAS, I/WE, (hereinafter referred to as the "ASSIGNOR(S)");

Address:	277 Beachlawn Dr	
	Naterloo ON N2L5N8	

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Onie: Jun 18, 2014

WILSON HSU

STATEMENT BY WITNESS

I, PASCAC PUPAR Whose full Post Office address is

126 WESTFOREST TRAIL, KITCHENER ONTARIO, CANADA NON 382

(Address of Witness)

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Date: 2014-06-18

(Signature of Witness)

Page 3 of 3

RECORDED: 05/13/2019