PATENT ASSIGNMENT

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SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	NUNC PRO TUNC ASSIGNMENT
EFFECTIVE DATE:	05/12/2006

CONVEYING PARTY DATA

Name	Execution Date
Rodney K. RIDLEY	08/01/2006
Tadeusz KAZMIERCZAK	08/01/2006
Linsong CAI	08/01/2006
Paul Charles JOHNSTON	08/14/2006
Helen PINTO	08/15/2006
Jun SUN	08/15/2006
Marc PROVENCHER	08/15/2006
John Harry WOOLLEY	08/01/2006
Garry CARDINAL	08/14/2008

RECEIVING PARTY DATA

Name:	ALBERTA RESEARCH COUNCIL INC.
Street Address:	250 Karl Clark Road
City:	Edmonton, Alberta
State/Country:	CANADA
Postal Code:	T6N 1E4

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12300257

CORRESPONDENCE DATA

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PATENT REEL: 021811 FRAME: 0244

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ATTORNEY DOCKET NUMBER: RR-714 PCT/US

NAME OF SUBMITTER: Charles Rodman

Total Attachments: 15
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This Assignment of Invention dated this 12th day of May, 2006.

ASSIGNMENT OF INVENTION

We, the undersigned:

(a) Rodney K. RIDLEY

1704 Bearspaw Drive West Edmonton, Alberta T6J 6K5 Canada

(b) Tadeusz KAZMIERCZAK

340 South Ridge N.W. Edmonton, Alberta T6H 4M9 Canada

(c) Linsong CAI

Apt. 301, 2711 – 111B Street Edmonton, Alberta T6J 4L9 Canada

(d) Paul Charles JOHNSTON

276 Gariepy Crescent Edmonton, Alberta T6M 1A3 Canada

(e) Helen PINTO

3105, 7171 Coach Hill Road S.W. Calgary, Alberta T3H 3R7 Canada

(f) Jun SUN

58 Hamptons Heath N.W. Calgary, Alberta T3A 5E7 Canada

- 1 -

(g) Marc PROVENCHER

207 Inverness Park S.E. Calgary, Alberta T2Z 3K6 Canada

(h) John Harry WOOLLEY

11711 – 136 Street N.W. Edmonton, Alberta T5M 1M7 Canada

(i) Garry CARDINAL

708, 11025 Jasper Avenue Edmonton, Alberta T5K 0K7 Canada

(hereinafter collectively referred to as the "Inventors") have made an invention entitled:

A SYSTEM AND A METHOD FOR DETECTING A DAMAGED OR MISSING MACHINE PART

as set forth and described in an application for Letters Patent of Canada having the serial number 2,546,758 and filing date of the 12th day of May, 2006, and identified by Agent Reference No. 16455-070 (the "Invention").

FOR GOOD AND VALUABLE CONSIDERATION, the receipt and sufficiency of which are hereby acknowledged, we do hereby irrevocably assign, grant, sell, convey, transfer and make over unto the following:

ALBERTA RESEARCH COUNCIL INC.

250 Karl Clark Road Edmonton, Alberta T6N 1E4 Canada

our entire right, title and interest in and to the Invention, the Canadian Patent Application, any other application for patent for the Invention filed or to be filed in Canada and in any

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PATENT

REEL: 021811 FRAME: 0247

further countries worldwide arising from or related to the Canadian Patent Application, including any and all divisional applications thereof, and any and all patents issued and which may be issued or re-issued for the Invention in Canada and in any further countries worldwide, together with the right to claim in respect of Canada and any foreign countries, the priority date of the Canadian Patent Application or any other applications for patent for the Invention filed in any country worldwide.

This Assignment shall enure to the benefit of and be binding upon the Inventors and Alberta Research Council Inc. and their respective heirs, executors, administrators and assigns.

THE MATTIME OF MATTEMENT OF MICHOLD	lowing Inventor has caused this Assignment	
to be executed at Edmunt, Albert	ta, Canada this 🔰 🏸 day of	f
<u>August</u> , 2006.		
-		
SIGNED, SEALED AND DELIVERED		
in the presence of:		
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Mober	Roodney K Rrolley	
(Witness)	RODNEY K. RIDLEY	
IN WITNESS WHEDEOE the fall	owing Inventor has covered this Assignment	-
	owing Inventor has caused this Assignment	
to be executed at I-dim with Albert	ta Canada this 15^{1} day of	
•	ta, Canada this day of	
degrat, 2006.	ta, Canada this <u>/ 51</u> day of	
<u>Queent</u> , 2006.	ta, Canada this <u> </u>	
•	ta, Canada this 151 day of	
SIGNED, SEALED AND DELIVERED	ta, Canada this 151 day of	
SIGNED, SEALED AND DELIVERED	ta, Canada this 151 day of	

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	owing Inventor has caused this Assignment
to be executed at Edmuta, Alberta	a, Canada this 19 day of
<u>lugust</u> , 2006.	
·	
SIGNED, SEALED AND DELIVERED	
in the presence of:	\
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Mobile	3887
(Witness)	LINSONG CAI
	wing Inventor has caused this Assignment
to be executed at Edmintin, Alberta	a, Canada this H day of
<u>Quyrot</u> , 2006.	
SIGNED, SEALED AND DELIVERED	
in the presence of:	
in the presence of.	
Mosent	Haul Auston
(Witness)	PAUL CHARLES JOHNSTON
(() 232222)	
IN WITNESS WHEREOF the follow	wing Inventor has caused this Assignment
to be executed at <u>Calgary</u> , Alberta, Canad	
<u>Augnst</u> , 2006.	
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SIGNED, SEALED AND DELIVERED	
in the presence of:	1
	- Mulh
(Witness)	HELEN PINTO

- 4 -

	IN WI	TNESS WHEREOF th	e following Inver	ntor has caused thi	is Assignm	ent
to be	executed at	<u>Calgary</u> , 1 , 2006.	Alberta, Canada	this 15+L	day	of
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	A set	ache.) James Jame	,	
(Witne	ess)		JUN SUN	J.		
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to be	executed at	Calgary,	Alberta, Canada	this 15	day	01
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	•	ND DELIVERED				
in the j	presence of			n	1	
	Sola.	Lie	Ma	u Pril	2-7	
(Witne	ess)		MARICP	ROVENCHER		
	IN WIT	ΓNESS WHEREOF th	e following Inver	ntor has caused thi	s Assionm	ent
to be		Edmonton,			_	
G	1101 7	, 2006.	noorta, Canada	<u> </u>	day	O1
	ng no 1	, 2000.				
SIGNE	ED, SEALED A	ND DELIVERED				
in the 1	presence of:					
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	Mobert			My Morel	lef	
(Witne	V22:		IOHN H	ARRY WOOLLEY	\checkmark	

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	IN W	TINESS WHEREOF	the follow	ing Inven	tor has c	aused this As	signm	ent
to be exec	cuted a	t Edmonton,	Alberta,	Canada	this _	14 th	day	of
augu	Lot	, 2006.						
SIGNED, SI	EALED	AND DELIVERED						
in the presen	ice of:							
				1				_
m	Iroke	ut		Som	7 💯			
(Witness)			(GARRY (CARDIN	AL		

CANADA) I, Melissa Gibett
PROVINCE OF ALBERTA) of the City of Ldmoto in the Province of Alberta
TO WIT:) make oath and say:
1. That I was perso	nally present and did see RODNEY K. RIDLEY named in the
	onally known to me to be the person named therein, duly sign
seal and execute the same for the	
2. That the same	was executed at the City of Edmonton in the
Province of Alberta, and that I a	am the subscribing witness thereto.
That I know the	said RODNEY K. RIDLEY who is in my belief of the full age
of eighteen years.	
CWODNII C	
SWORN before me at <u>Eduant</u>	
in the Province of Alberta this _	
day of <u>Curjust</u> A.D.	2000)
11/1/1)
Wal. W -	Market
A COMMISSIONER FOR OA	THS IN AND Witness
FOR THE PROVINCE OF A	
My commissioner for oath	s expires
on November 7, 2007.	
MARLA MAURICIO	
	- 7 -

CANADA) I, Mclissa Gobert
PROVINCE OF ALBERTA) of the City of Edmonton in the Province of Alberta
TO WIT:) make oath and say:
1. That I was per	sonally present and did see TADEUSZ KAZMIERCZAK
named in the within instrumer	nt, who is personally known to me to be the person named
therein, duly sign, seal and exec	ute the same for the purpose named therein.
2. That the same	was executed at the City of Edmonton in the
Province of Alberta, and that I a	m the subscribing witness thereto.
That I know the	said TADEUSZ KAZMIERCZAK who is in my belief of the
full age of eighteen years.	
6	
SWORN before me at Edmon	• •
in the Province of Alberta this _	
day of Cugut A.D.	2006)
90/221 (44)**)
THE STATE OF THE S	managed) 17 Hobert
A COMMISSIONER FOR OAT	•
FOR THE PROVINCE OF A	
My commissioner For oat on November 1, 2007.	x 1 3 and Mars 8 of 7
MARLA MAURICIO	

- 8 -

CANADA) I, Melissa Gobert
PROVINCE OF ALBERTA) of the City of Edmant in the Province of Alberta
TO WIT:) make oath and say:
1. That I was perso	nally present and did see LINSONG CAI named in the within
instrument, who is personally l	known to me to be the person named therein, duly sign, seal
and execute the same for the pu	rpose named therein.
O	
	was executed at the City of Edmintin in the
Province of Alberta, and that I a	m the subscribing witness thereto.
3. That I know the	said LINSONG CAI who is in my belief of the full age of
eighteen years.	, , , , , , , , , , , , , , , , , , ,
SWORN before me at <u>Edmunts</u> in the Province of Alberta this _	My (Alberta)
in the Province of Alberta this _)
day of Hugust A.D.	2006
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) Mal. +
A COMMISSIONER FOR OAT	THS IN AND Witness
FOR THE PROVINCE OF A	LBERTA
My commissioner for oc	ths expires
on November 7, 2007.	
ALLE NA ALEMAN	

- 9 -

CANADA) I, Melissa Cobert) of the City of Edmonton in the Province of Alberta
PROVINCE OF ALBERTA) of the City of Edmonture in the Province of Alberta
TO WIT:) make oath and say:
1. That I was pers	sonally present and did see PAUL CHARLES JOHNSTON
named in the within instrumer	nt, who is personally known to me to be the person named
therein, duly sign, seal and exec	cute the same for the purpose named therein.
O TI (4	the state of the s
	was executed at the City of Edmoto in the
Province of Alberta, and that I a	am the subscribing witness thereto.
3. That I know the	said PAUL CHARLES JOHNSTON who is in my belief of
the full age of eighteen years.	
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in the Province of Alberta this	
day of Cupy A.D.	
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A COMMISSIONER FOR OAT	ΓHS IN AND Witness
FOR THE PROVINCE OF A	LBERTA
My commissioner for oath	s expires
on Nowmber 7,2007.	
MARIA MAURICIO	

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CANADA) I, Shamez Kotadia
PROVINCE OF ALBERTA) I, Shamez Kotadia) of the City of Calgary in the Province of Alberta
TO WIT:) make oath and say:
_	onally present and did see HELEN PINTO named in the within
•	known to me to be the person named therein, duly sign, seal
and execute the same for the pu	rpose named therein.
That the same	was executed at the City of <u>Calgary</u> in the
Province of Alberta, and that I	am the subscribing witness thereto.
3. That I know the	e said HELEN PINTO who is in my belief of the full age of
eighteen years.	
SWORN before me at Elmon	
in the Province of Alberta this	15th)
in the Province of Alberta this day of Quest A.D.	2006)
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MRohert)
A COMMISSIONER FOR OA	THS IN AND Witness
FOR THE PROVINCE OF A	ALBERTA
My conings oner for oat	ks expires
Dec 22/06 Melissa Gold	J
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CANADA) I, Shamez Kotadia) of the City of <u>Calgary</u> in the Province of Alberta) make onth and says
PROVINCE OF ALBERTA) of the City of <u>/ algary</u> in the Province of Alberta
TO WIT:) make oath and say:
1. That I was pers	onally present and did see JUN SUN named in the within
instrument, who is personally k	nown to me to be the person named therein, duly sign, seal
and execute the same for the pur	
_	
2. That the same	was executed at the City of <u>Calgary</u> in the
Province of Alberta, and that I a	m the subscribing witness thereto.
3. That I know the	said JUN SUN who is in my belief of the full age of eighteen
years.	
SWORN before me at Anna	t~)
in the Province of Alberta this _day of _Qupust A.D.:	15 th)
day of August A.D.	2006)
,) /7
20/1	
1 Sohn) Solectie
A COMMISSIONER FOR OAT	CHS IN AND Witness
FOR THE PROVINCE OF A	LBERTA
My commissions for out	- expires
Dec 22/06	· !

- 12 -

CANADA) I, Shamez Kotadia
PROVINCE OF ALBERTA) of the City of <u>Calgary</u> in the Province of Alberta
TO WIT:) make oath and say:
1. That I was pers	sonally present and did see MARC PROVENCHER named in
the within instrument, who is	personally known to me to be the person named therein, duly
sign, seal and execute the same	e for the purpose named therein.
2. That the same	was executed at the City of <u>Calgary</u> in the
Province of Alberta, and that I	am the subscribing witness thereto.
3. That I know the	e said MARC PROVENCHER who is in my belief of the full
age of eighteen years.	
SWODN before me at (1)	4
in the Province of Alberta this	
in the Province of Alberta this day of Au A.D	2006
day of the A.D)
\mathcal{A}	
- M Brant) Solade
A COMMISSIONER FOR OA	THS IN AND Witness
FOR THE PROVINCE OF	
by commissioner for oaths	cxhus (
Melissa Gol	ert

- 13 -

CANADA) I, Melissa Gobert					
PROVINCE OF ALBERTA) of the City of Edmuton in the Province of Alberta					
TO WIT:	make oath and say:					
_	nally present and did see JOHN HARRY WOOLLEY named					
	s personally known to me to be the person named therein, duly					
sign, seal and execute the same	for the purpose named therein.					
2 771 4 41						
2. That the same was executed at the City of Edmantin in the						
Province of Alberta, and that I a	m the subscribing witness thereto.					
3. That I know the	said JOHN HARRY WOOLLEY who is in my belief of the					
full age of eighteen years.	said JOHN HARRY WOOLEET who is in my benef of the					
run age of orginoen years.						
SWORN before me at Ediumto	Alberta)					
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day of Auust A.D.						
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A COMMISSIONER FOR OAT	ΓHS IN AND Witness					
FOR THE PROVINCE OF A	LBERTA					
My commissioner for oath	s expires					
on Nodember 7, 2007.						
MARLA MAURICIO	- 14 -					

CANADA) l, }	Melissa	OUBGI	
PROVINCE OF ALBERTA) of the	he City of	Edmonton	in the Province of Alberta
TO WIT:) mal	ke oath an	d say:	
1. That I was perso	onally pre	esent and	did see GARR	RY CARDINAL named in the
within instrument, who is perso	onally kn	own to m	e to be the per	son named therein, duly sign
seal and execute the same for th	ie purpos	e named t	herein.	
2. That the same	was exe	cuted at	the City of	Edmontor in the
Province of Alberta, and that I a				
3. That I know the	said GA	RRY CAI	RDINAL who	is in my belief of the full age
of eighteen years.				
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SWORN before me at Columb	M ALL	urtu)		
in the Province of Alberta this _	14th)		
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A COMMISSIONER FOR OA	THS IN A	AND	Witness	
FOR THE PROVINCE OF A	LBERT.	A		
My commissioner for odly	s expire	- <u>C.</u>		
on November 7,2007.				
MARLA MAURICIO				
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REEL: 021811 FRAME: 0260

RECORDED: 11/10/2008