## 503091632 12/09/2014

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT3138237

SUBMISSION TYPE		NEW ASSIGNMENT	
ATURE OF CONVE	EYANCE:	ASSIGNMENT	
CONVEYING PART	Υ DATA	·	
		Name	Execution Date
ANDREW LEO HAY	'NES		07/09/2009
CHRISTOPHER JO	HN NICHOL	LS	07/07/2009
GABRIEL IOAN GIU	JRGIU		07/09/2009
SAMUEL GWYNN E RECEIVING PARTY Name:	<b>Y DATA</b>	JFACTURING SYSTEMS LIMITED	07/20/2009
RECEIVING PARTY Name:	<b>Y DATA</b>	JFACTURING SYSTEMS LIMITED	07/20/2009
RECEIVING PART Name: Street Address:	<b>/ DATA</b> MANU 235 V		07/20/2009
	Y DATA MANU 235 V WHAN	IFACTURING SYSTEMS LIMITED IPOND ROAD, STANMORE BAY	07/20/2009
RECEIVING PARTY Name: Street Address: City:	Y DATA MANU 235 V WHAN NEW	JFACTURING SYSTEMS LIMITED IPOND ROAD, STANMORE BAY NGAPARAOA, AUCKLAND ZEALAND	07/20/2009
RECEIVING PARTY Name: Street Address: City: State/Country:	Y DATA MANU 235 V WHAN NEW ERS Total:	JFACTURING SYSTEMS LIMITED IPOND ROAD, STANMORE BAY NGAPARAOA, AUCKLAND ZEALAND	07/20/2009

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.

ATTORNEY DOCKET NUMBER:	103034-0121
NAME OF SUBMITTER:	JOHN M. LAZARUS
SIGNATURE:	/John M. Lazarus/
DATE SIGNED:	12/09/2014

## **Total Attachments: 3**

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	U	NITE	D STATES OF AMERICA - ASSIGNMENT
1-3)	Insert <u>Name(s)</u> of inventors	(1)	Andrew Leo HAYNES
•		(2)	Christopher John NICHOLLS and
		(3)	Gabriel Ioan GlURGIU
			In consideration of the sum of one dollar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to
4)	insert <u>Neme</u> of Assignee	(4)	Manufacturing Systems Limited
5)	insert Address of Assignee	(5)	of 235 Vipond Road, Stanmore Bay, Whangaparaoa, Auckland, New Zealand
5)	Insert Legal Entity and State or	(B)	a Corporation of New Zealand
	Country (e.g., a corporation or citizen of Japan)		(hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as
n	Insert <u>Identification</u> of Invention, such as Title, Case Number or Foreign Application Number	(7)	IMPROVEMENTS IN OR RELATING TO FORMING APPARATUS
			for which the undersigned has (have) executed an application for patent in the United States of America
3)	insert Date of signing of	(8)	Said application having been filed on May 18, 2008 (and assigned
	Application, or filing date and Sadal No. If known		Seriel No. 12/085.163 )

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference,

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the internetional Union for Protection of Industrial Property or similar agreements.

4) The uncersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States petent in the name of the Assignee.

5) The undersigned hereby authorize(s) and request(s) the Commissioner of Patents and Trademarks to issue any and all Letters Patents. of the United States resulting from this application or any continuing or divisional applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute any egreement in conflict herewith.

6) Assignor hereby further assigns to Assignce all claims and causes of action for infringement of the patent rights assigned herein, including the right to sue for, and collect damages for, any and all acts of past and future infringement.

In witness whereof, executed by the undersigned on the data(s) opposite the undersigned name(s).

Date	9/7/09	Name of Inventor	Andrew Leo HAYNES	$\downarrow /$	7-	(SEAL)
			typed name	1 /	ignature	
Date		Name of Inventor	Christopher John NICHOLLS	1	·····	(SEAL)
			typed name	1 01	signature	
Date	9/7/09	Name of inventor	Gabriel Ioan GlURGIU	1 13	3MO	(SEAL)
			typed name		signature	

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public If domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here: 1 1

X Additional inventor's names and on a separate sheet.

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Witness	NIXON MORALES	ale
Witness	EDUARD POPESCU	Elan.
	Y BY ASSIGNEE	The

POWER OF AT

The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C. 20004 (Customer No. 000136) power of attorney, to receive and act on instructions from our agent or ourselves to prosecute this application, and the power to insert in this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

9/7/09	NIRFETOR	ANDREW HATUR		$\square$	<u> </u>	(SEAL)
	Illie of person	typed name	7	signature		

JH 4/05 (Copying without deletions permitted) JCH-4/05-248

	U	NITE	ED STATES OF AMERICA - ASSIGNMENT
(1-3)	insert Name(s) of Inventors	(1)	Andrew Leo HAYNES
		(2)	Christopher John NICHOLLS and
		(3)	Gabriel Ioan GIURGIU
			In consideration of the sum of one dotar (\$1.00), and other good and valuable considerations paid to each of the undersigned, the receipt and sufficiency of which are hereby acknowledged, the undersigned hereby assigns, transfers and sets over to
(4)	Insert <u>Name</u> of Assignee	(4)	Manufacturing Systems Limited
(5)	Insert Address of Assignee	(5)	of 235 Vipond Road, Stanmore Bay, Whangaparaoa, Auckland, New Zealand
(6)	Insert <u>Legal Entity</u> and <u>State or</u> <u>Country</u> (e.g., a corporation or citizen of Japan)	(5)	a <u>Corporation</u> of <u>New Zealand</u> (hereinafter designated as the Assignee) the entire right, title and interest for the United States, its territories, dependencies and possessions, in the invention known as
(7)	Insert <u>Identification</u> of Invention, such as Tilla, Case Number or Foreign Application Number	(7)	IMPROVEMENTS IN OR RELATING TO FORMING APPARATUS
			for which the undersigned has (have) executed an application for patent in the United States of America
(8)	Insert <u>Date</u> of signing of Application, or filing date and Sarial No., if known	(8)	Said application having been filed on May 16, 2008 (and assigned   Serial No. 12/085,163 }

1) The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

2) The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or any continuing or divisional applications thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

3) The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.

4) The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent in the name of the Assignee.

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6) Assignor bareby further assigns to Assignee all claims and causes of action for infingement of the patent rights assigned herein, including the right to sue for, and collect damages for, any and all acts of past and future infingement.

in witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

J

Date		Name of inventor	Andrew Leo HAYNES		(SEAL
			typed name	storagtro A	
Date	7/7/09	Name of Inventor	Christopher John NICHOLLS		(SEAL)
			typed name	signature	
Date		Name of Inventor	Gabriel Ioan GIURGIU		(SEAL
			typed name	signatura	

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

S-ame	Additional inventor's names and on a separate sheet.	Witness	
		Witness	

POWER OF ATTORNEY BY ASSIGNEE

The undersigned hereby grant(s) the law firm of Jacobson Holman PLLC, 400 Seventh Street, N.W., Washington, D.C.

20004 (Customer No. 000136) power of attorney, to receive and act on instructions from our agent or ourselves to prosecute this application, and the power to insert in this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

				(5	seal.)
	date	title of person	typed name	signature	
-1 4/05 (Cop) JCH-4/05-248	ying without deletion	s permitted)	119-1-:	WITNESS to the CJ Nichoils ASHDEIGH ELIZABETH SCI	
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## UNITED STATES OF AMERICA - ASSIGNMENT

Separate Sheet For Additional Inventors

	Nai	mes of Additional Inventors,		
	(4) Samuel G	wynn BUCKINGHAM	ngiñ a de lamae i dea a vezer à ser can sante dada anare i tras e marrage trag arras dadas ) es dag dada sanard	941 Is 644 J #8949748 1944 1444 2445
	(5)	وي من المراجع و المراجع	مد کرد و محمد و شکیر کرد کو کو کو کرد و موجوع و کرد و کو کرد و کرد کرد کرد کرد و در در در محمد مربو مربو	
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	(7)	19 18 - 1 Jaho Kanan ta se tanunan 10 se ta pasa a par satar 11 daga tanun tanun tanun dari daga dag	ur fur a samar sand san dagan a sama tan tan tan daga Majar (samata da B) basa 1 Mada Bada Bada yang bada yang	
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	reof, executed by the undersig	ned on the date(s) opposite th	e undersigned name(s).	
0/7/2	and Name of Inventor	Samuel Gwynn BUCKINGHAM	signature	(SEAL)
·	Name of Inventor			(SEAL)
		typed name	signatura	
	Name of Inventor	typed name	signature	(SEAL)
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	Name of Inventor		-	(SEAL)
	Name of inventor	typed name	signature	
	Instate of Inventor	typed name	signature	(SEAL)
			•	
	Name of Investion If preferably be signed before a United State: e axeculton by the invertor(s) should be with	served by allegat two witnesses who sign has	signature	(SEAL)
	d preferably be signed before a United State e execution by the by entorfe) should be with Wine as Wine as DAC PROFESSION T 4 00	s Consul # signed abroad, or a Notery Public sessed by alless two witnesses who sign has NIXON MORALE HILL A 200	Southout	(BEAL)
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RECORDED: 12/09/2014