

## PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1  
 Stylesheet Version v1.2

EPAS ID: PAT3138237

<b>SUBMISSION TYPE:</b>	NEW ASSIGNMENT
<b>NATURE OF CONVEYANCE:</b>	ASSIGNMENT
<b>CONVEYING PARTY DATA</b>	
<b>Name</b>	<b>Execution Date</b>
ANDREW LEO HAYNES	07/09/2009
CHRISTOPHER JOHN NICHOLLS	07/07/2009
GABRIEL IOAN GIURGIU	07/09/2009
SAMUEL GWYNN BUCKINGHAM	07/20/2009
<b>RECEIVING PARTY DATA</b>	
<b>Name:</b>	MANUFACTURING SYSTEMS LIMITED
<b>Street Address:</b>	235 VIPOND ROAD, STANMORE BAY
<b>City:</b>	WHANGAPARAOA, AUCKLAND
<b>State/Country:</b>	NEW ZEALAND
<b>PROPERTY NUMBERS Total: 1</b>	
<b>Property Type</b>	<b>Number</b>
<b>Application Number:</b>	14562338
<b>CORRESPONDENCE DATA</b>	
<b>Fax Number:</b>	(202)672-5399
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.</i>	
<b>Phone:</b>	414-271-2400
<b>Email:</b>	IPdocketing@foley.com, mmathes@foley.com
<b>Correspondent Name:</b>	JOHN M. LAZARUS
<b>Address Line 1:</b>	3000 K STREET N.W., SUITE 600
<b>Address Line 2:</b>	FOLEY & LARDNER LLP
<b>Address Line 4:</b>	WASHINGTON, D.C. 20007-5109
<b>ATTORNEY DOCKET NUMBER:</b>	103034-0121
<b>NAME OF SUBMITTER:</b>	JOHN M. LAZARUS
<b>SIGNATURE:</b>	/John M. Lazarus/
<b>DATE SIGNED:</b>	12/09/2014
<b>Total Attachments: 3</b>	
source=Assignment#page1.tif	
source=Assignment#page2.tif	
source=Assignment#page3.tif	

# UNITED 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 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 Name of Assignee (4) Manufacturing Systems Limited  
 (5) Insert Address of Assignee (5) of 235 Vipond Road, Stanmore Bay, Whangaparaoa, Auckland, New Zealand  
 (6) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan) (6) a Corporation of New Zealand  
 (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 Identification 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  
 (8) Insert Date of signing of Application, or filing date and Serial No., if known (8) Said application having been filed on May 18, 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.
  - 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 agreement in conflict herewith.
  - 6) Assignor hereby further assigns to Assignee 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 date(s) opposite the undersigned name(s).

Date <u>9/7/09</u>	Name of Inventor <u>Andrew Leo HAYNES</u>	<u>[Signature]</u> (SEAL)
	typed name	signature
Date _____	Name of Inventor <u>Christopher John NICHOLLS</u>	<u>[Signature]</u> (SEAL)
	typed name	signature
Date <u>9/7/09</u>	Name of Inventor <u>Gabriel Ioan GIURGIU</u>	<u>[Signature]</u> (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:

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

Witness

NIXON MORALES [Signature]

Witness

EDUARD POPESCU [Signature]

## 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.

<u>9/7/09</u>	<u>DIRECTOR</u>	<u>ANDREW HAYNES</u>	<u>[Signature]</u> (SEAL)
date	title of person	typed name	signature

# UNITED 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 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 Name of Assignee (4) Manufacturing Systems Limited  
(5) Insert Address of Assignee (5) of 235 Vipond Road, Stanmore Bay, Whangaparaoa, Auckland, New Zealand  
(6) Insert Legal Entity and State or Country (e.g., a corporation or citizen of Japan) (6) a Corporation of New Zealand  
(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 Identification 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  
(8) Insert Date of signing of Application, or Filing date and Serial 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.  
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 agreement in conflict herewith.  
6) Assignor hereby further assigns to Assignee 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 date(s) opposite the undersigned name(s).

Date	Name of Inventor	<u>Andrew Leo HAYNES</u>	(SEAL)
		typed name	signature
Date <u>7/7/09</u>	Name of Inventor	<u>Christopher John NICHOLLS</u>	(SEAL)
		typed name	signature
Date	Name of Inventor	<u>Gabriel Ioan GIURGIU</u>	(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:

☒ 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.

_____	_____	_____	_____	(SEAL)
date	title of person	typed name	signature	

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

Witness to the  
C J Nicholls  
ASHLEIGH ELIZABETH SCOTT  
LEGAL SECRETARY  
AUCKLAND  
Christopher Calder Hamilton  
Solicitor  
Auckland

UNITED STATES OF AMERICA - ASSIGNMENT  
Separate Sheet For Additional Inventors

The following are inventors whose names would not fit on the Assignment form for the application filed  
on May 16, 2008 (and assigned serial No. 12/085,183)

Names of Additional Inventors.

- (4) Samuel Gwynn BUCKINGHAM
- (5) \_\_\_\_\_
- (6) \_\_\_\_\_
- (7) \_\_\_\_\_
- (8) \_\_\_\_\_
- (9) \_\_\_\_\_
- (10) \_\_\_\_\_

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

Date	<u>20/7/2009</u>	Name of Inventor	<u>Samuel Gwynn BUCKINGHAM</u>	<u>[Signature]</u>	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	_____	_____	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	_____	_____	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	_____	_____	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	_____	_____	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	_____	_____	(SEAL)
			typed name	signature	
Date	_____	Name of Inventor	_____	_____	(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:

Witness NIXON MORALES [Signature]

Witness EDWARD POPESCU [Signature]

LAW OFFICES OF  
**JACOBSON HOLMAN**  
PROFESSIONAL LIMITED LIABILITY COMPANY  
THE JENIFER BUILDING  
400 SEVENTH STREET, N.W.  
WASHINGTON, D.C. 20004

JH 2/08 (Copying without deletions permitted)