

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT4779418

SUBMISSION TYPE:	CORRECTIVE ASSIGNMENT
NATURE OF CONVEYANCE:	Corrective Assignment to correct the ASSIGNEE NAME AND CORRESPONDENCE DATA previously recorded on Reel 032489 Frame 0759. Assignor(s) hereby confirms the ASSIGNMENT.
CONVEYING PARTY DATA	
Name	Execution Date
SCOTT SPOONER	03/17/2014
CHUN FAI CHEUK	03/17/2014
RECEIVING PARTY DATA	
Name:	THE HYMATIC ENGINEERING COMPANY LIMITED
Street Address:	HONEYWELL HOUSE, ARLINGTON BUSINESS PARK
Internal Address:	BRACKNELL
City:	BERKSHIRE
State/Country:	UNITED KINGDOM
Postal Code:	RG12 1 EB
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14182037
CORRESPONDENCE DATA	
Fax Number:	
<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>	
Phone:	9734553389
Email:	patentservices-us@honeywell.com
Correspondent Name:	HONEYWELL/SHIMOKAJI PATENT SERVICES
Address Line 1:	115 TABOR ROAD, P.O. BOX 377
Address Line 2:	MAIL STOP: 4D3
Address Line 4:	MORRIS PLAINS, NEW JERSEY 07950
ATTORNEY DOCKET NUMBER:	H0032465(039-5002)
NAME OF SUBMITTER:	MICHAEL A. SHIMOKAJI
SIGNATURE:	/Michael A. Shimokaji/
DATE SIGNED:	01/17/2018
Total Attachments: 3	
source=H0032465_A13104US_AssignmentSigned_03-19-14_039-5002A#page1.tif	

source=H0032465_A13104US_AssignmentSigned_03-19-14_039-5002A#page2.tif
source=CoverSheet#page1.tif

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
Stylesheet Version v1.2

EPAS ID: PAT2778272

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
CONVEYING PARTY DATA	
Name	Execution Date
SCOTT SPOONER	03/17/2014
CHUN FAI CHEUK	03/17/2014
RECEIVING PARTY DATA	
Name:	HONEYWELL INTERNATIONAL INC.
Street Address:	101 COLUMBIA ROAD
City:	MORRISTOWN
State/Country:	NEW JERSEY
Postal Code:	07962-2245
PROPERTY NUMBERS Total: 1	
Property Type	Number
Application Number:	14182037
CORRESPONDENCE DATA	
Fax Number:	
<i>Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent via US Mail.</i>	
Phone:	973-455-2062
Email:	patentservices-us@honeywell.com
Correspondent Name:	HONEYWELL/SHIMOKAJI PATENT SERVICES
Address Line 1:	101 COLUMBIA ROAD
Address Line 2:	P.O.BOX 2245
Address Line 4:	MORRISTOWN, NEW JERSEY 07962-2245
ATTORNEY DOCKET NUMBER:	H0032465 (039-5002)
NAME OF SUBMITTER:	MICHAEL A. SHIMOKAJI
SIGNATURE:	/Michael A. Shimokaji/
DATE SIGNED:	03/20/2014
Total Attachments: 2	
source=H0032465_A13104US_AssignmentSigned_03-19-14_039-5002A#page1.tif	
source=H0032465_A13104US_AssignmentSigned_03-19-14_039-5002A#page2.tif	

WHEREAS, the undersigned inventor(s) (hereinafter individually and collectively referred to as "ASSIGNOR") has invented new and useful improvements in:

A PULSE TUBE REFRIGERATOR/CRYOCOOLER APPARATUS

for which application for Letters Patent of the United States:

_____ has been executed on even date herewith;

_____ was executed on _____;

was filed on February 17, 2014 and assigned U.S. Application No. 14/182,037;

AND WHEREAS, the "Assigned Property" shall mean (i) the above-identified United States application for Letters Patent (the "Application"), (ii) the invention disclosed in the Application, (iii) any application for Letters Patent throughout the world directed to the foregoing or claiming priority to the Application, and (iv) any and all patents resulting from the foregoing.

AND WHEREAS, The Hymatic Engineering Company Limited, having a place of business at Honeywell House, Arlington Business Park, Bracknell, Berkshire, RG12 1EB, United Kingdom, its successors and assigns (hereinafter individually and collectively referred to as "ASSIGNEE"), is desirous of acquiring the entire right, title, and interest in and to said Assigned Property;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, ASSIGNOR does hereby irrevocably and unconditionally assign and transfer unto ASSIGNEE the entire right, title and interest in and to the Assigned Property, and hereby authorizes and requests the Commissioner of Patents to issue said Letters Patent to ASSIGNEE for the sole use and benefit of ASSIGNEE;

AND ASSIGNOR FURTHERMORE authorizes ASSIGNEE, or anyone it may properly designate, to insert on each page of this instrument (where indicated) the filing date and application number of said Application when known;

AND ASSIGNOR AGREES, FURTHERMORE, upon request of ASSIGNEE, and without further remuneration, but at no expense to ASSIGNOR, that ASSIGNOR or ASSIGNOR'S heirs, executors, or administrators will provide all reasonable assistance to obtain, maintain, and assert the fullest measure of legal protection that ASSIGNEE desires to obtain or assert for the Assigned Property, including executing any and all papers desired by ASSIGNEE for the filing and granting of patent rights in the Assigned Property, the perfecting of title in ASSIGNEE, and in enforcing any rights in the Assigned Property.

This instrument is executed by, and shall be binding upon ASSIGNOR, and ASSIGNOR'S heirs, executors and administrators, for the uses and purposes above set forth and referred to and shall inure to the benefit of ASSIGNEE or anyone it may properly designate.

If any provision of this assignment is held by any court to be unenforceable, such provision shall be interpreted to accomplish the objectives of the original provision to the fullest extent allowed by law and the remainder of this assignment shall remain in full force and effect.

EXECUTED as of the date(s) set forth below:

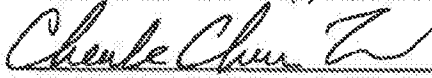


Scott Spooner

Date: 17/3/2014

ASSIGNMENT

EXECUTED as of the date(s) set forth below:



Chun Fal Cheuk

Date: 1/7/3/2014