



No. 10-154861-00001-0000

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Tra. 11 PATENTEIYII Eve: 378 FASENACIONALI
Act. 329 CTOINFORMACION Folios: 7**Clarke, Modet & C^o**

COLOMBIA

P-2765

SUPERINTENDENCIA DE INDUSTRIA Y COMERCIO

DIVISION DE NUEVAS CREACIONES

E. S. D.

Ref.: Expediente No. 10.154.861
Solicitud de Patente a nombre de
LUMMUS TECHNOLOGY INC.

Yo, DILIA MARÍA RODRÍGUEZ D'ALEMAN, identificada como aparece al pie de mi firma, domiciliada en la Carrera 11 No. 86-53, piso 6, obrando como apoderada de la sociedad **LUMMUS TECHNOLOGY INC.** domiciliada en New Jersey, Estados unidos, solicitante de la patente de la referencia, atentamente me permito presentar el documento (1) en que consta la cesión del derecho a la patente otorgada por los inventores a favor de mi mandante.

Sobre el particular, es importante resaltar que de conformidad con las normas legales vigentes, artículo 1 de la Resolución 210 de 2001, expedida por el Superintendente de Industria y Comercio y artículo 2 de la Convención de la Haya, el documento en inglés que se pretenda aportar como parte de los trámites de propiedad industrial ante la Superintendencia de Industria y Comercio no requieren traducción. Por otro lado, la legalización consular y/o diplomática de los documentos expedidos en el extranjero no es necesaria. Por lo tanto, el documento de cesión anexo a este memorial es válidamente presentado en idioma inglés y con la correspondiente apostilla.

Señor Superintendente,

DILIA MARÍA RODRÍGUEZ D'ALEMAN

C.C. 41.654.882 de Bogotá.

T.P. 20824 CSJ

APOSTILLE*(Convention de La Haye du 5 octobre 1961)*

1. Country: *United States of America*

This public document

2. has been signed by P.R. Grant

3. acting in the capacity of Certifying Officer

4. bears the seal/stamp of U.S. Patent and Trademark Office

Certified

5. at Washington, D.C.

6. the twenty-sixth of January, 2011

7. by *Authentication Officer, United States Department of State*

8. No. 11014103-1

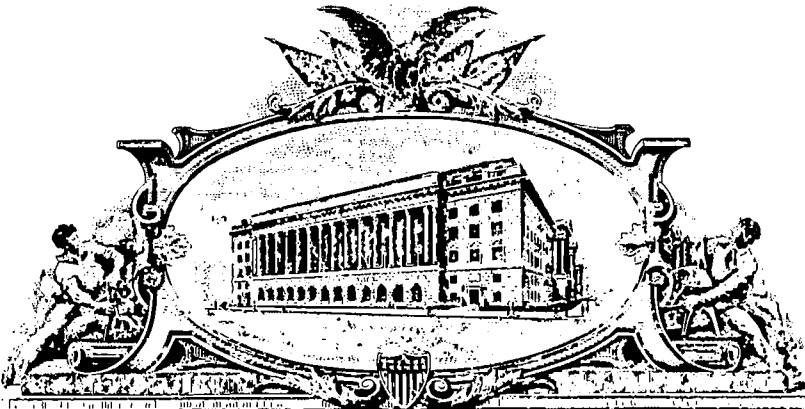
9. Seal/Stamp:

10. Signature:

Denitra T. Hawkins

Denitra T. Hawkins

A. 1026873



THE UNITED STATES OF AMERICA

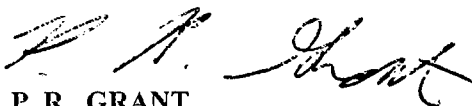
TO ALL TO WHOM THESE PRESENTS SHALL COME:
UNITED STATES DEPARTMENT OF COMMERCE

United States Patent and Trademark Office

January 19, 2011

THIS IS TO CERTIFY THAT ANNEXED IS A TRUE COPY FROM THE
RECORDS OF THIS OFFICE OF A DOCUMENT RECORDED ON
MARCH 04, 2009.

By Authority of the
Under Secretary of Commerce for Intellectual Property
and Director of the United States Patent and Trademark Office



P. R. GRANT
Certifying Officer



PATENT ASSIGNMENT

Electronic Version v1.1
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
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NATURE OF CONVEYANCE:	ASSIGNMENT
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CONVEYING PARTY DATA

Name	Execution Date
M. S. Karrs	07/21/2008
K. Chunangad	07/21/2008
B. Master	07/21/2008

RECEIVING PARTY DATA

Name:	Lummus Technology Inc.
Street Address:	1515 Broad Street
City:	Bloomfield
State/Country:	NEW JERSEY
Postal Code:	07003-3096

PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	12133917

CORRESPONDENCE DATA

Fax Number: (713)228-8778
Correspondence will be sent via US Mail when the fax attempt is unsuccessful.

Phone: 7132288600
 Email: wright@oshaliang.com

Correspondent Name: Jeffrey S. Bergman
 Address Line 1: 909 Fannin St.
 Address Line 2: Suite 3500
 Address Line 4: Houston, TEXAS 77010

ATTORNEY DOCKET NUMBER:	17421.005001 (TLW)
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NAME OF SUBMITTER:	Jeffrey S. Bergman
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Total Attachments: 2
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**PATENT
 REEL: 022344 FRAME: 0815**

OP \$40.00 12133917

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PATENT
REEL: 022344 FRAME: 0816

ASSIGNMENT – WORLDWIDE

For good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the undersigned individual(s) (referred to herein as the "INVENTOR(S)") hereby assign, transfer, and set over to:

Lummus Technology Inc.

having the following address:

1515 Broad St.
Bloomfield, NJ 07003-3096

(referred to herein as "COMPANY"), its successors, and assigns, the entire right, title, and interest, worldwide, in and to the invention known by the following title:

VERTICAL COMBINED FEED/EFFLUENT HEAT EXCHANGER WITH VARIABLE BAFFLE ANGLE

for which the undersigned has/have executed an application for patent in the United States of America on or about this same day, together with said patent application, all divisions, continuations, continuations-in-part, reissues, and extensions thereof, and all Letters Patent (domestic and foreign) which may be granted therefor. Such interest represents the entire ownership of said applications and Letters Patent when granted and is to be owned by COMPANY, its successors, and assigns, or their legal representatives, for the full and entire term for which such Letters Patent may be granted or extended, as fully and entirely as the same would have been enjoyed by the INVENTOR(S) if this assignment had not been made.

In addition, the undersigned INVENTOR(S) each hereby agrees:

1. To sign and execute any further documents which may be necessary or desirable, lawful, and proper in connection with the prosecution of all applications for patent(s) on the INVENTION in the United States, including without limitation said application and all divisions, continuations, continuations-in-part, amendments thereof, and all interference proceedings associated therewith, or otherwise necessary or desirable to secure the title thereto to COMPANY;
2. To execute all papers and documents and to perform all lawful acts which may be necessary in connection with claims to priority or otherwise under the International Convention for the Protection of Industrial Property or similar treaties or agreements;
3. To perform all lawful affirmative acts which may be necessary to obtain the grant of a valid and enforceable patent to COMPANY.

The undersigned INVENTOR(S) each hereby authorizes and requests the Commissioner of Patents and Trademarks in the United States to issue any and all Letters Patent resulting from said application, including without limitation any division, continuation, continuation-in-part, or reissue thereof to COMPANY.

The undersigned INVENTOR(S) each hereby grants to the firm of OSHA LIANG LLP the power to insert on 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 the recordation of this document.

OSHA LIANG LLP

PATENT
REEL: 022344 FRAME: 0817

IN WITNESS WHEREOF, this Assignment has been executed by each of the undersigned individuals on the date appearing by such individual's signature:

<u>7-21-08</u> Date	1 st Inventor Signature: <u>[Signature]</u> Print or Type Name: <u>M. S. Karrs</u>
<u> </u> Date	2 nd Inventor Signature: <u>[Signature]</u> <u>7/21/08</u> Print or Type Name: <u>K. Chunangad</u>
<u> </u> Date	3 rd Inventor Signature: <u>[Signature]</u> Print or Type Name: <u>B. Master</u> <u>7/21/08</u>
<u> </u> Date	4 th Inventor Signature: <u> </u> Print or Type Name: <u> </u>

State of New Jersey
County of Essex

Before me personally appeared:	<u>M. S. Karrs</u> 1 st Inventor	<u>K. Chunangad</u> 2 nd Inventor
	<u>B. Master</u> 3 rd Inventor	<u> </u> 4 th Inventor
	<u> </u> 5 th Inventor	<u> </u> 6 th Inventor
	<u> </u> 7 th Inventor	<u> </u> 8 th Inventor

each of whom acknowledged the foregoing instrument to be a free act and deed and also represented that he/she is authorized to execute this Assignment.

Dated: July 21, 2008

[Signature]
Notary Public

My Commission expires:

TERESA F. NYSTROM
Notary Public of the State of New Jersey
My Commission Expires April 5, 2009

WITNESSES

<u>July 21 2008</u> Date	Signature of Witness: <u>[Signature]</u> Print or Type Name: <u>BARBARA DEL GIUDICE</u>
<u>July 21, 2008</u> Date	Signature of Witness: <u>[Signature]</u> Print or Type Name: <u>James L. Lynch</u>

When this Assignment is not filed concurrently with the patent application, the following identifying information may be added after execution:

U.S. Application Serial No.: 12/133,917
Filing Date: June 5, 2008

ASSIGNMENT - WORLDWIDE

Page 2

OSHA LIANG LLP

PATENT

RECORDED: 03/04/2009

REEL: 022344 FRAME: 0818

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Bogotá D.C.,
2020



Doctor(a)
RODRIGUEZ D' ALEMAN DILIA MARIA
Apoderado(a) y/o Representante de
LUMMUS TECHNOLOGY INC.

REFERENCIA	Radicación No.	10-154861
	Solicitud internacional	PCT/US2009/044605
	Fecha inicio fase nacional	05/01/2011
	Trámite	11
	Evento	378
	Actuación	430
	Oficio No.	Nº 0 22 1,6]

Como resultado del examen de forma, realizado con fundamento en el artículo 38 de la Decisión 486 de la Comisión de la Comunidad Andina, artículo 27 del Tratado de Cooperación en Materia de Patentes (PCT), regla 51 bis del Reglamento y Circular Única de la Superintendencia de Industria y Comercio, se le comunica que:

1. La solicitud no contiene el poder debidamente otorgado, con el lleno de los requisitos exigidos por los artículos 62 y subsiguientes del Código de Procedimiento Civil. Adicionalmente, deberá presentar el documento que acredita la existencia y representación legal de la sociedad solicitante, cuando ésta fuere persona jurídica.
2. La solicitud no contiene la copia del documento en que consta la cesión del derecho a la patente del inventor al solicitante o a su causante, conforme a lo establecido por el artículo 26 literal E) de la Decisión 486 de la Comisión de la Comunidad Andina. Cuando se trate de documentos otorgados en el extranjero, estos deberán legalizarse de conformidad con lo dispuesto por los artículos 259 y 260 del Código de Procedimiento Civil. Cuando se trate de las declaraciones a que hace referencia la Regla 4.17 ii) del Tratado de Cooperación en Materia de Patentes PCT, el alcance de las tales declaraciones se determinará según indiquen claramente una cesión de derechos del inventor al solicitante o su causante, de conformidad con lo dispuesto en el numeral 5.2.15 del Capítulo Quinto, Título II de la Circular Única de Superintendencia de Industria y Comercio.

En cumplimiento de lo dispuesto por el artículo 39 de la Decisión 486, se le requiere para que dentro del término de dos meses siguientes a la fecha de notificación del presente oficio, complete los requisitos anteriormente enunciados. En caso de no dar cumplimiento al presente requerimiento, la solicitud se considerará abandonada y perderá su prelación.

Continúa en la página siguiente...



Continuación radicado No: 10 154361



Notifíquese el presente oficio conforme a lo dispuesto en el numeral 5.2, literal e), del capítulo quinto del título primero de la Circular Única No.10 de 2001.

JOSE LUIS CALAZAR LOPEZ
Director de Nuevas Creaciones (E)

11 FEB. 2011

El anterior requerimiento fue notificado por fijación en lista de fecha _____.
adpa11