

Form PTO-1595 (Rev. 09/04)
OMB No. 0651-0027 (exp. 6/30/2005)

U.S. DEPARTMENT OF COMMERCE
United States Patent and Trademark Office

RECORDATION FORM COVER SHEET PATENTS ONLY

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)/Execution Date(s):

Catalytica Inc.

Execution Date(s): October 23, 2000

Additional name(s) of conveying party(ies) attached? Yes No

2. Name and address of receiving party(ies)

Name: Catalytica Energy Systems, Inc.

Internal Address: _____

Street Address: _____

1388 N. Tech Boulevard

City: Gilbert

State: Arizona

Country: United States of America Zip: 85233

Additional name(s) & address(es) attached: Yes No

3. Nature of Conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Government Interest Assignment
- Executive Order 9424, Confirmatory License
- Other _____

4. Application or patent number(s):

This document is being filed together with a new application.

A. Patent Application No.(s)

B. Patent No.(s)
5,250,489

Additional numbers attached? Yes No

5. Name and address to whom correspondence concerning document should be mailed:

Name: Charles D. Holland
MORRISON & FOERSTER LLP

Internal Address: Atty. Dkt.: 220772001000

Street Address: 755 Page Mill Road

City: Palo Alto

State: CA Zip: 94304

Phone Number: (650) 813-5832

Fax Number: (650) 494-0792

Email Address: CHolland@mfo.com

6. Total number of applications and patents involved:

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- Authorized to be charged by credit card
- Authorized to be charged to deposit account
- Enclosed
- None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____
Expiration Date _____

b. Deposit Account Number 03-1952
Authorized User Name Charles D. Holland

9. Signature:



Signature

December 8, 2004

Date

Charles D. Holland - 35,196

Name of Person Signing

Total number of pages including cover sheet, attachments, and documents:

CH \$40.00 031952 5250489

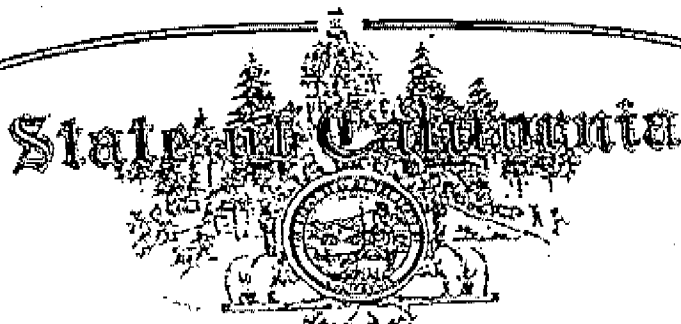
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PAGE 006/043

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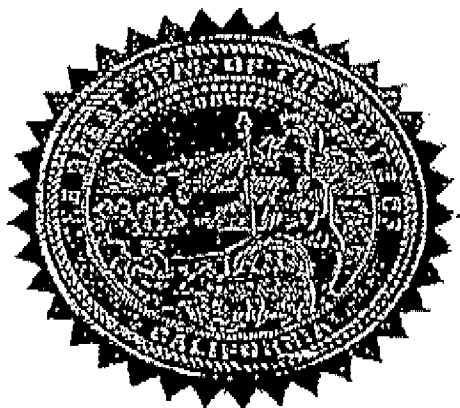
SECRETARY OF STATE
 NAME CHANGE
 CERTIFICATE OF QUALIFICATION

C1948427

I, BILL JONES, Secretary of State of the State of California, hereby certify:

That on the 1st day of November, 2000, there was filed in this office an Amended Statement and Designation by Foreign Corporation whereby the corporate name of CATALYTICA COMBUSTION SYSTEMS, INC., a corporation organized and existing under the laws of Delaware, was changed to CATALYTICA ENERGY SYSTEMS, INC. This corporation complied with the requirements of California law in effect on that date for the purpose of qualifying to transact intrastate business in the State of California and as of said date has been and is qualified and authorized to transact intrastate business in the State of California, subject however, to any licensing requirements otherwise imposed by the laws of this State.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of November 3, 2000.

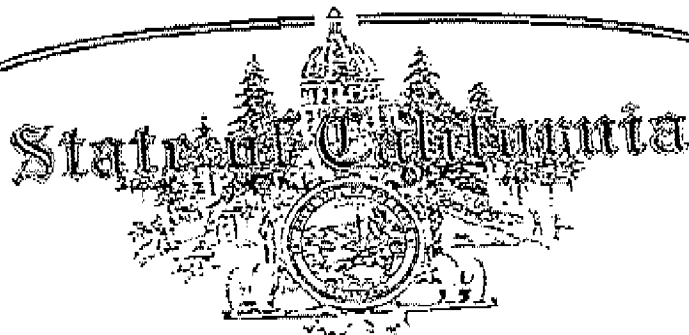


Bill Jones
 BILL JONES
 Secretary of State

SEP 04 2007

A0554706

COPY



SECRETARY OF STATE

I, *BILL JONES*, Secretary of State of the State of California, hereby certify:

That the attached transcript of 1 page(s) has been compared with the record on file in this office, of which it purports to be a copy, and that it is full, true and correct.

IN WITNESS WHEREOF, I execute this certificate and affix the Great Seal of the State of California this day of

NOV 04 2000



Bill Jones

Secretary of State

A0554706

AMENDED STATEMENT BY
FOREIGN CORPORATION OF
CATALYTICA ENERGY SYSTEMS, INC.

ENDORSED - FILED
In the office of the Secretary of State
of the State of California

NOV 01 2000

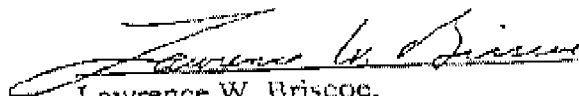
BILL JONES, Secretary of State

Catalytica Energy Systems, Inc., a corporation organized and existing under the laws of Delaware, and which is presently qualified for the transaction of intrastate business in the State of California, makes the following statement:

That the name of the corporation has been changed to that hereinabove set forth and that the name relinquished at the time of such change was Catalytica Combustion Systems, Inc.

DATED: October 23, 2000.

CATALYTICA ENERGY SYSTEMS, INC.



Lawrence W. Briscoe,
Secretary



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NO.022 P.5

not affect the enforceability of any other provision not held to be invalid, and such invalidity shall not affect the enforceability of such provision in any jurisdiction where such provision has not been held to be invalid.

(c) Neither Party shall assign this Agreement or its rights and obligations hereunder without the prior written consent of the other Party, provided, however, that this Agreement may be assigned by either Party to a purchaser of its entire business upon prior written notice to the other Party.

(d) This Agreement shall be governed by the laws of the State of California. Any dispute, controversy or claim arising between the parties relating to the interpretation or performance of this Agreement shall be resolved in the manner specified in Section 5.6 of the Master Separation Agreement, dated as of an even date herewith, between Catalytic and CBS (the "Master Separation Agreement").

(e) Paragraph headings and captions used herein are for conveniences of reference only and shall not be used in the construction or interpretation of this Agreement. This Agreement has been jointly prepared on the basis of the mutual understanding of the Parties and shall not be construed against either Party by reason of such Party's being the drafter hereof.

(f) Notices, demands, offers, requests or other communications required or permitted to be given by either party pursuant to the terms of this Agreement shall be made in accordance with Section 6.6 of the Master Separation Agreement.

(g) The term of this Agreement shall commence on the Effective Time and shall continue indefinitely.

(h) Except as may be contemplated in Master Services Agreement and the Ancillary Agreements (as such term is defined in the Master Services Agreement) and as mutually agreed upon from time to time, neither party hereto shall have any obligation to provide the other party with any technical assistance, training or consulting with respect to any technology or Intellectual Property licensed hereunder.

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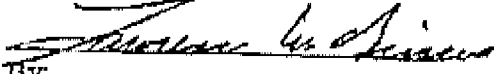
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CATALYTICA INC

NO. 022 P. 6

IN WITNESS WHEREOF, the Parties hereto have executed this Agreement to be effective as of the date first written above.

CATALYTICA, INC.

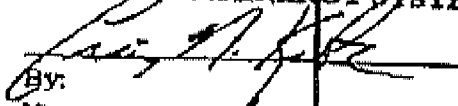


By:

Name: Lawrence W. Briscoe

Title: Vice President, Finance and Administration
Chief Financial Officer

CATALYTICA ENERGY SYSTEMS, INC.



By:

Name: Craig N. Kitchen

Title: President and Chief Executive Officer

Reference No.	Title	Patent or Patent Application No.	Inventor	Filing Date	Country
P - 1035 - CA	Multistage Process for Combusting Fuel Mixtures	2,096,951	Ralph A Dalla Betta et al.	11/26/91	Canada
P - 1035 - CN	Multistage Process for Combusting Fuel Mixtures	91111203.1	Ralph A Dalla Betta et al.	11/26/91	China
P - 1035 - EPO	Multistage Process for Combusting Fuel Mixtures	92.902114.5	Ralph A Dalla Betta et al.	11/26/91	Europe
P - 1035 - JP	Multistage Process for Combusting Fuel Mixtures	04-502,668	Ralph A Dalla Betta et al.	05/23/93	Korea
P - 1035 - KR	Multistage Process for Combusting Fuel Mixtures	98-701,558	Ralph A Dalla Betta et al.	11/26/91	Republic of Korea
P - 1035 - EU	Multistage Process for Combusting Fuel Mixtures	93043402.00	Ralph A Dalla Betta et al.	11/26/91	Russian Federation
P - 1035 - TW	Multistage Process for Combusting Fuel Mixtures	81104053	Ralph A Dalla Betta et al.	05/23/92	Taiwan
P - 1036N	Process for Burning Combustible Mixtures	6,425,632	Ralph A Dalla Betta et al.	07/06/93	U.S.
P - 1036	Multistage Process for Combusting Fuel Mixtures	5,281,128	Ralph A Dalla Betta et al.	11/26/90	U.S.
P - 1037	Partial Combustion Catalyst of Palladium on a Zirconia Support and a Process for Using It	6,259,754	Ralph A Dalla Betta et al.	11/26/90	U.S.
P - 1037N	Partial Combustion Catalyst of Palladium on a Zirconia Support and a Process for Using It	5,405,250	Ralph A Dalla Betta et al.	07/27/93	U.S.

Reference No.	Title	Patent or Patent Application No.	Inventor	Filing Date	Country
P - 1038	Multistage Process for Combusting Fuel Mixtures Using Oxide Catalysts in the Hot Stage	5,252,357	Ralph A Dalla Betta et al.	11/26/90	U.S.
P - 1040	Two-stage Process for Combusting Fuel Mixtures	6,183,401	Ralph A Dalla Betta et al.	11/26/90	U.S.
P - 1044	Self-Contained System for Controlling Gaseous Emissions From Dilute Organic Sources and a Process for Using that System	5,338,457	Ralph A Dalla Betta et al.	04/05/91	U.S.
P - 1065	Cooled Support Structure for a Catalyst	5,461,864	Ralph A Dalla Betta et al.	12/10/93	U.S.
P - 1065 - EPO	Cooled Support Structure for a Catalyst	95095613.5	Ralph A Dalla Betta et al.	12/07/94	Europe
P - 1065 - JP	Cooled Support Structure for a Catalyst	7-516847	Ralph A Dalla Betta et al.	12/07/94	Japan
P - 1065 - TW	Cooled Support Structure for a Catalyst	080634	Ralph A Dalla Betta et al.	01/20/95	Taiwan
P - 1070	Catalyst Structure Employing Integral Heat Exchange	5,512,250	Ralph A Dalla Betta et al.	03/02/94	U.S.
P - 1070 - CA	Improved Catalyst Structure Employing Integral Heat Exchange	2,184,682	Ralph A Dalla Betta et al.	02/28/95	Canada
P - 1070 - CN	Improved Catalyst Structure Employing Integral Heat Exchange	95192318.8	Ralph A Dalla Betta et al.	02/28/95	China

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July 23, 1997

Reference No.	Title	Patent or Patent Application No.	Inventor	Filing Date	Country
P-1070-EPO	Improved Catalyst Structure Employing Integral Heat Exchange	95912556.8	Ralph A Dalla Betta et al	02/28/95	Europe
P-1070-JP	Improved Catalyst Structure Employing Integral Heat Exchange	7-522,921	Ralph A Dalla Betta et al	02/28/95	Japan
P-1070-KR	Improved Catalyst Structure Employing Integral Heat Exchange	95-704,812	Ralph A Dalla Betta et al	02/28/95	South Korea
P-1070-RU	Catalyst Structure Employing Integral Heat Exchange	96121876	Ralph A Dalla Betta et al	02/28/95	Russian Federation
P-1070-TW	Improved Catalyst Structure Employing Integral Heat Exchange	84102752	Ralph A Dalla Betta et al	09/20/94	Taiwan
P-1070G	Process and Catalyst Structure Employing Integral Heat Exchange with Optional Downstream Flameholder	5,518,697	Ralph A Dalla Betta et al	01/25/95	U.S.
P-1070G-CA	Improved Catalyst Structure Employing Integral Heat Exchange With Optional Downstream Flameholder	2,184,752	Ralph A Dalla Betta et al	09/08/95	Canada
P-1070G-CN	Improved Catalyst Structure Employing Integral Heat Exchange With Optional Downstream Flameholder	95192518.0	Ralph A Dalla Betta et al	09/08/95	China

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July 29, 1997

Reference No.	Title	Patent or Patent Application No.	Inventor	Filing Date	Country
P - 1070G-EPO	Improved Catalyst Structure Employing Integral Heat Exchange With Optional Downstream Flameholder	95911772.2	Ralph A Dalla Betta et al.	09/08/95	Europe
P - 1070G-JP	Improved Catalyst Structure Employing Integral Heat Exchange With Optional Downstream Flameholder	7-522,916	Ralph A Dalla Betta et al.	09/08/95	Japan
P - 1070G-KR	Improved Catalyst Structure Employing Integral Heat Exchange With Optional Downstream Flameholder	96704815	Ralph A Dalla Betta et al.	09/08/95	South Korea
P - 1070G-RU	Process and Catalyst Structure Employing Integral Heat Exchange with Optional Downstream Flameholder	96 121 877	Ralph A Dalla Betta et al.	09/08/95	Russian Federation
P - 1070G-TW	Improved Catalyst Structure Employing Integral Heat Exchange With Optional Downstream Flameholder	84102753	Ralph A Dalla Betta et al.	03/20/95	Taiwan
P - 1070H-PCT	Improved Combustion Process and Catalyst Structure Employing Integral Heat Exchange with Optional Downstream Flameholder for Lean Fuel/Air Mixtures	PCT/US95/01718	Ralph A Dalla Betta et al.	01/31/96	PCT

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July 23, 1997

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Reference No.	Title	Patent or Patent Application No.	Inventor	Filing Date	Country
P - 1070H-TW	Improved Combustion Process and Catalyst Structure Employing Integral Heat Exchange with Optional Downstream Flameholder for Lean Fuel/Air Mixtures	86106252	Ralph A. Dalla Betta et al.	05/10/97	Taiwan
P - 1070N	Process and Catalyst Structure Employing Integral Heat Exchange with Optional Downstream Flameholder	08/688,615	Ralph A. Dalla Betta et al.	04/12/96	U.S.
P - 1073	Catalyst Support for High Temperature Applications and Catalysts and Catalytic Processes Employing Same	08/607,953	Ruiping Wang	07/27/95	U.S.
P - 1078-PCT	Catalyst Support for High Temperature Applications and Catalysts and Catalytic Processes Employing Same	PCT/US96/011795	Ruiping Wang	07/16/96	PCT
P - 1074	Support Structure for a Catalyst	08/462,639	Ralph A. Dalla Betta et al.	06/05/95	U.S.
P - 1074-PCT	Support Structure for a Catalyst	PCT/US96/03910	Ralph A. Dalla Betta et al.	06/10/96	PCT
P - 1077	Electrically-Heated Combustion Catalyst Structure and Method for Start-up of a Gas Turbine	08/688,705	Thomas Rostrup-Nielsen et al.	07/26/98	U.S.

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JUN 26 2002 9:42AM CATALYTICA INC
Jun-25-2002 02:18PM From-CATALYTICA INC

480-315-8745

NO. 822 P. 9
T-179 F.004/007 F-106

**CERTIFICATE OF CORRECTION
TO
CERTIFICATE OF AMENDMENT OF
CATALYTICA ENERGY SYSTEMS, INC.**

Catalytica Energy Systems, Inc. (formerly known as Catalytica Combustion Systems, Inc.), a corporation organized and existing under and by virtue of the General Corporation Law of the State of Delaware,

DOES HEREBY CERTIFY:

1. The name of the corporation is Catalytica Energy Systems, Inc.
2. A Certificate of Amendment (the "Certificate of Amendment") was filed with the Secretary of State of the State of Delaware on October 12, 2000 which contains an inaccurate record of the corporate action taken therein, and said Certificate of Amendment requires correction as permitted by subsection (f) of Section 103 of the General Corporation Law of the State of Delaware.
3. The Certificate of Amendment incorrectly states that the amendments set forth therein were approved in accordance with Section 242 of the General Corporation Law of the State of Delaware.
4. The Certificate of Amendment is therefore null and void and of no effect.

Catalytica Energy Systems, Inc. has caused this Certificate of Correction to be signed by its authorized officer this 12th day of April, 2002.

CATALYTICA ENERGY SYSTEMS, INC.

Dennis A. Riebo
Dennis Riebo
Chief Financial Officer

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JUN 25 2002 9:43AM CATALYTICA INC
JUN 25 2002 02:18PM FROM CATALYTICA INC

480-916-8746

NO. 022 P. 10
T-178 P. 608/007 P-106

**CERTIFICATE OF CORRECTION
TO
AMENDED AND RESTATED
CERTIFICATE OF INCORPORATION OF
CATALYTICA ENERGY SYSTEMS, INC.**

Catalytica Energy Systems, Inc. (formerly known as Catalytica Combustion Systems, Inc.), a corporation organized and existing under the General Corporation Law of the State of Delaware (the "Corporation") does hereby certify that:

1. The name of the corporation is Catalytica Energy Systems, Inc.
2. An Amended and Restated Certificate of Incorporation (the "Restated Certificate") was filed with the Secretary of State of Delaware on December 15, 2000, and said Restated Certificate requires correction as permitted by Section 103 of the General Corporation Law of the State of Delaware.
3. The Restated Certificate is defective in that it incorrectly refers to the name of the Corporation as Catalytica Energy Systems, Inc. and incorrectly indicates that all stockholders approved the Restated Certificate.
4. The corrected Restated Certificate is attached hereto as Annex A.

IN WITNESS WHEREOF, Catalytica Energy Systems, Inc. has caused this Certificate to be signed by its authorized officer this 12th day of April, 2002.

CATALYTICA ENERGY SYSTEMS, INC.

Dennis S. Riebe
Dennis Riebe
Chief Financial Officer

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PAGE 017/043

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JUN. 26. 2002 9:43AM CATALYTICR INC
Jun-26-2002 02:18pm From: CATALYTICA INC

480-218-3744

NO. 822 P. 12
T-178 P. 087/097 F-188

COPY

**CERTIFICATE OF CORRECTION
TO
CERTIFICATE OF MERGER
MERGING CATALYTICA ADVANCED TECHNOLOGIES, INC., A DELAWARE
CORPORATION WITH AND INTO CATALYTICA ENERGY SYSTEMS, INC., A
DELAWARE CORPORATION**

Catalytica Combustion Systems, Inc., a corporation organized and existing under the General Corporation Law of the State of Delaware (the "Corporation") does hereby certify that:

1. The name of the corporation is Catalytica Combustion Systems, Inc.
2. A Certificate of Merger Merging Catalytica Advanced Technologies, Inc., a Delaware Corporation with and into Catalytica Energy Systems, Inc., a Delaware Corporation (the "Merger Certificate") was filed with the Secretary of State of Delaware on December 15, 2000, and the Merger Certificate requires correction, as permitted by Section 103 of the General Corporation Law of the State of Delaware.
3. A Certificate of Correction was filed on April 12, 2002, which nullified and voided the Certificate of Amendment of Catalytica Combustion Systems, Inc. filed on October 12, 2000 changing the Corporation's name from Catalytica Combustion Systems, Inc. to Catalytica Energy Systems, Inc.
4. The Merger Certificate is defective in that it incorrectly refers to the name of the Corporation as Catalytica Energy Systems, Inc.
5. The Merger Certificate is hereby amended in its entirety to replace each reference to "Catalytica Energy Systems, Inc." with "Catalytica Combustion Systems, Inc."

IN WITNESS WHEREOF, Catalytica Combustion Systems, Inc. has caused this Certificate to be signed by its authorized officer this 12th day of April, 2002.

CATALYTICA COMBUSTION SYSTEMS, INC.

Dennis A. Riebe
Dennis Riebe
Chief Financial Officer

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PAGE 018/043

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JUN 26 2002
Jun-26-2002 02:18pm

9:43am CATALYTICA INC
From-CATALYTICA INC

480-816-8746

NO.022 P.11
T-178 P.000/007 P-188

COPY

**CERTIFICATE OF CORRECTION
TO
CERTIFICATE OF OWNERSHIP AND MERGER
MERGING ADVANCED SENSOR DEVICES, INC., A CALIFORNIA CORPORATION
WITH AND INTO CATALYTICA ENERGY SYSTEMS INC., A DELAWARE
CORPORATION**

Catalytica Combustion Systems, Inc., a corporation organized and existing under the General Corporation Law of the State of Delaware (the "Corporation") does hereby certify that:

1. The name of the corporation is Catalytica Combustion Systems, Inc.
2. A Certificate of Ownership and Merger Merging Advanced Sensor Devices, Inc., a California Corporation with and into Catalytica Energy Systems, Inc., a Delaware Corporation (the "Merger Certificate") was filed with the Secretary of State of Delaware on December 14, 2000, and the Merger Certificate requires correction, as permitted by Section 103 of the General Corporation Law of the State of Delaware.
3. A Certificate of Correction was filed on April 12, 2002, which nullified and voided the Certificate of Amendment of Catalytica Combustion Systems, Inc. filed on October 12, 2000 changing the Corporation's name from Catalytica Combustion Systems, Inc. to Catalytica Energy Systems, Inc.
4. The Merger Certificate is defective in that it incorrectly refers to the name of the Corporation as Catalytica Energy Systems, Inc.
5. The Merger Certificate is hereby amended in its entirety to replace each reference to "Catalytica Energy Systems, Inc." with "Catalytica Combustion Systems, Inc."

IN WITNESS WHEREOF, Catalytica Combustion Systems, Inc. has caused this Certificate to be signed by its authorized officer this 12th day of April, 2002.

CATALYTICA COMBUSTION SYSTEMS, INC.

Dennis L. Riebe
Dennis Riebe
Chief Financial Officer