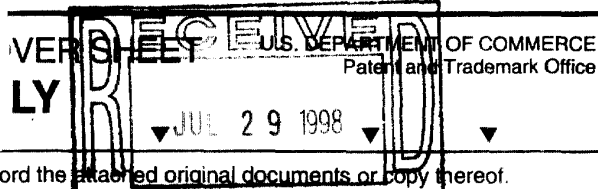


08-03-1998



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Tab settings ▼

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Lucas DEECO Corp.

MRD 7-29-98

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

2. Name and address of receiving party(ies)

Lucas Automation & Control
Name: Engineering, Inc.

Internal Address: _____

Street Address: 1000 Lucas Way

City: Hampton State: VA ZIP: 23666

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

3. Nature of conveyance:

- Assignment Merger
- Security Agreement Change of Name
- Other _____

Execution Date: July 31, 1992

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is: _____

A. Patent Application No.(s)

B. Patent No.(s)
4,812,830
4,868,912
4,893,120

Additional numbers attached? Yes No

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

Name: MacMILLAN, SOBANSKI & TODD, LLC

Internal Address: _____

Docket No.: 1-20533

Street Address: One Maritime Plaza
Fourth Floor
720 Water Street

City: Toledo State: OH ZIP: 43604

6. Total number of applications and patents involved: 3

7. Total fee (37 CFR 3.41).....\$ 120.00

- Enclosed
- Authorized to be charged to deposit account

8. Deposit account number:

(Attach duplicate copy of this page if paying by deposit account)

DO NOT USE THIS SPACE

9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Douglas V. Pavelko

Name of Person Signing

Signature

July 22, 1998

13

Date

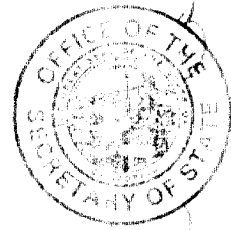
Total number of pages including cover sheet, attachments, and document:

08/03/1998 482830 120.00 DP

TT0111



SECRETARY OF STATE



CORPORATION DIVISION

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

That the annexed transcript was prepared by and in this office from the record on file, 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

JUN 1 1998



Secretary of State

PATENT

REEL 9342 FRAME 0977

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

BH

1126867
OUT

JUL 31 1992

March Fong Eu
MARCH FONG EU, Secretary of State

AGREEMENT AND PLAN OF MERGER

AGREEMENT AND PLAN OF MERGER dated July 10, 1992 among Lucas DEECO Corp., a California corporation ("Corporation A"), Lucas Duralith Corporation, a New Jersey corporation ("Corporation B"), Lucas Ledex, Inc., an Ohio corporation ("Corporation C") and Lucas Automation & Control Engineering, Inc., a Virginia corporation ("Corporation D").

The respective Boards of Directors of Corporations A, B, C and D deem it advisable and in the best interests of their corporations and the shareholders of each of their respective corporations that Corporations A, B and C be merged with and into Corporation D as provided herein (the "Merger") pursuant to the General Corporation Law of the State of California, Section 14A:10-7 of the New Jersey Business Corporation Act, Chapter 1701 of the Revised Code of Ohio, and Title 13.1, Chapter 9, Article 12 of the Code of Virginia, respectively and in accordance with Section 368(a)(1)(A) of the Internal Revenue Code of 1986.

Corporation A was incorporated in the State of California on November 4, 1982. Its authorized capital stock consists of 1,000,000 shares of Common Stock, no par value, and 500,000 shares of Preferred Stock, no par value. As of the date hereof, Corporation A has issued and outstanding 100 shares of Common Stock and -0- shares of Preferred Stock, each of which was entitled to vote on the Merger together as one class.

Corporation B was incorporated in the State of New Jersey on February 2, 1979. Its authorized capital stock consists of 1,000 shares of Common Stock, \$1 par value. As of the date hereof, Corporation B has issued and outstanding 1,000 shares of Common Stock, each of which was entitled to vote on the Merger.

Corporation C was incorporated in the State of Ohio on January 2, 1947. Its authorized capital stock consists of 100,000 shares of Common Stock, without par value. As of the date hereof, Corporation C has issued and outstanding 41,121 shares of Common Stock, each of which was entitled to vote on the Merger.

Corporation D was incorporated in the State of Virginia on June 20, 1968. Its authorized capital stock consists of 1700 shares of Class A stock and 300 shares of Class B stock, \$100 par value. As of the date hereof, Corporation D has issued and outstanding 850 Class A shares of Common Stock, each of which was entitled to vote on the merger.

It is, therefore, agreed as follows:

1. As soon as practicable after this Agreement and Plan of Merger (the "Agreement") has been approved by the directors and shareholders of Corporations A, B, C, and D it shall be certified, signed and acknowledged in accordance with the laws of the States of California, New Jersey, Ohio and Virginia. The proper officers of Corporations A, B, C and D shall then prepare, execute and deliver this Agreement and Plan of Merger to the California Secretary of State, Certificate of Merger to the New Jersey Secretary of State, Agreement of Merger and Certificate to the Ohio Secretary of State and Articles of Merger to the Commonwealth of Virginia State Corporation Commission. The term "Effective Date" as used herein shall be mean July 31, 1992.

2. On the Effective Date, Corporations A, B and C shall be merged with and into Corporation D and the separate corporate existence of Corporations A, B and C shall cease. Corporation D shall be the surviving corporation, under its present name, and shall continue to be governed by the laws of the State of Virginia.

3. The Articles of Incorporation of Corporation D as in effect on the Effective Date shall continue as the Articles of Incorporation of the surviving corporation. The By-laws of Corporation D as in effect on the Effective Date shall continue as the By-laws of the surviving corporation. The officers and directors of Corporation D in office on the Effective Date shall continue to hold their respective positions with the surviving corporation.

4. Each share of Common Stock and Preferred Stock of Corporation A that is issued and outstanding on the Effective Date shall, by virtue of the Merger and without any action on the part of any holder thereof, be canceled. On the Effective Date, the stock transfer books of Corporation A shall be closed and no transfer of Common Stock or Preferred Stock of Corporation A shall thereafter be made.

5. Each share of Common Stock of Corporation B that is issued and outstanding on the Effective Date shall, by virtue of the Merger and without any action on the part of any holder thereof, shall be canceled. On the Effective Date, the stock transfer books of Corporation B shall be closed and no transfer of Common Stock of Corporation B shall thereafter be made.

6. Each share of Common Stock of Corporation C that is issued and outstanding on the Effective Date shall, by virtue of the Merger and without any action on the part of any holder thereof, shall be canceled. On the Effective Date, the stock transfer books of Corporation C shall be closed and no transfer of Common Stock of Corporation C shall thereafter be made.

7. Each share of Common Stock of Corporation D that is issued and outstanding on the Effective Date shall be unaffected by the Merger and shall continue to represent one issued and outstanding share of Common Stock of Corporation D, as the surviving corporation.

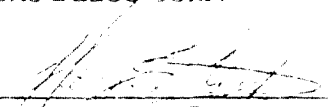
8. The purpose of Corporation D is to engage in any lawful act or activity for which corporations may be organized under the Code of Virginia.

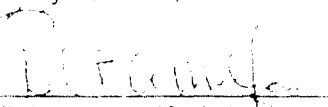
9. Corporation D agrees that it may be served with process in the State of New Jersey and the State of Ohio in any proceeding for enforcement of any obligation of Corporation B and C respectively, as well as for enforcement of any obligation of the surviving corporation arising from the Merger, and it does hereby irrevocably appoint the Secretary of State of the State of New Jersey and the Secretary of the State of Ohio as its agent to accept service of process in any such suit or other proceeding. The address to which a copy of such process shall be mailed by the Secretary of State of the State of New Jersey and the Secretary of State of the State of Ohio is: Lucas Industries Inc., 11180 Sunrise Valley Drive, 3rd Floor, Attention: Legal Dept., Reston, VA 22091-4399 until the surviving corporation shall have hereafter designated in writing to the Secretary of State a different address for such purpose.

10. This Agreement may be executed in counterparts, each of which when so executed shall be deemed to be an original and such counterparts shall together constitute but one and the same instrument.

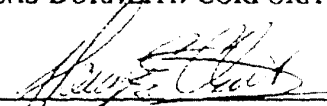
IN WITNESS WHEREOF, the parties have duly executed this Agreement and Plan of Merger as of the date first written above.

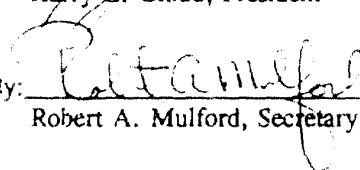
LUCAS DEECO CORP.

By: 
Harry E. Cloud, President

By: 
Robert A. Mulford, Secretary

LUCAS DURALITH CORPORATION

By: 
Harry E. Cloud, President

By: 
Robert A. Mulford, Secretary

LUCAS LEDEX, INC.

By: _____
Louis J. Oliverio, Vice President

By: _____
James M. Zigel, Secretary

LUCAS AUTOMATION & CONTROL
ENGINEERING, INC.

By: _____
John Berkenkamp, President

By: _____
James M. Zigel, Secretary

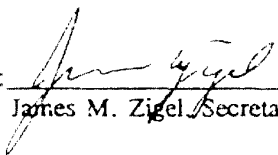
LUCAS DURALITH CORPORATION

By: _____
Harry E. Cloud, President


By: _____
Robert A. Mulford, Secretary

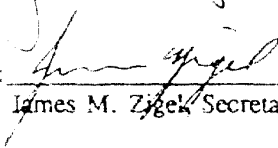
LUCAS LEDEX, INC.

By: _____
Louis J. Oliverio, Vice President

By:  _____
James M. Zigel, Secretary

LUCAS AUTOMATION & CONTROL
ENGINEERING, INC.

By:  _____
John Berkenkamp, President

By:  _____
James M. Zigel, Secretary

LUCAS DURALITH CORPORATION

By: _____
Harry E. Cloud, President

By: _____
Robert A. Mulford, Secretary

LUCAS LEDEX, INC.

By: Louis J. Oliverio
Louis J. Oliverio, Vice President

By: _____
James M. Zigel, Secretary

LUCAS AUTOMATION & CONTROL
ENGINEERING, INC.

By: _____
John Berkenkamp, President

By: _____
James M. Zigel, Secretary

LUCAS DEECO CORP.

CERTIFICATE OF APPROVAL AND AGREEMENT AND PLAN OF MERGER

Harry E. Cloud and Robert A. Mulford state and certify that:

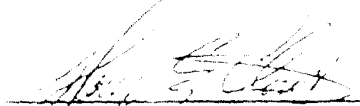
1. They are the President and Secretary, respectively of Lucas DEECO Corp., a California corporation (the "Corporation").
2. The Agreement and Plan of Merger (the "Agreement") in the form attached was duly approved by the Board of Directors and shareholders of the Corporation.
3. The total number of outstanding shares of each class of this Corporation entitled to vote on the merger is as follows:

<u>Class</u>	<u>Total Number of Shares Entitled to Vote</u>
Common	100
Preferred	-0-


4. The shareholder percentage vote required for the aforesaid approval was 100 percent.
5. The principal terms of the Agreement in the form attached were approved by the Corporation by a vote of the number of shares which equaled or exceeded the vote required.

On the date set forth below, in the City of Millville, in the State of New Jersey, each of the undersigned does hereby declare under the penalty of perjury under the laws of the State of California that he signed the foregoing certificate in the official capacity set forth beneath his signature, and that the statements set forth in said certificate are true of his own knowledge.

Signed on July 10th, 1992



Harry E. Cloud, President



Robert A. Mulford, Secretary

LUCAS DURALITH CORPORATION


CERTIFICATE OF APPROVAL AND AGREEMENT AND PLAN OF MERGER

Harry E. Cloud and Robert A. Mulford state and certify that:

1. They are the President and Secretary, respectively of Lucas Duralith Corporation., a New Jersey corporation (the "Corporation").
2. The Agreement and Plan of Merger (the "Agreement") in the form attached was duly approved by the Board of Directors and shareholders of the Corporation.
3. There is only one class of shares and the total number of outstanding shares is 1,000.
4. The shareholder percentage vote required for the aforesaid approval was 100 percent.
5. The principal terms of the Agreement in the form attached were approved by the Corporation by a vote of the number of shares which equaled or exceeded the vote required.

On the date set forth below, in the City of Millville, in the State of New Jersey, each of the undersigned does hereby declare under the penalty of perjury under the laws of the State of California that he signed the foregoing certificate in the official capacity set forth beneath his signature, and that the statements set forth in said certificate are true of his own knowledge.

Signed on July 10th, 1992



Harry E. Cloud, President



Robert A. Mulford, Secretary

LUCAS LEDEX, INC.

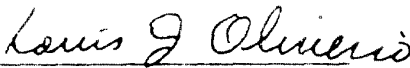
CERTIFICATE OF APPROVAL AND AGREEMENT AND PLAN OF MERGER


Louis J. Oliverio and James M. Zigel state and certify that:

1. They are the Vice President and Secretary, respectively of Lucas Ledex, Inc., an Ohio corporation ("the Corporation").
2. The Agreement and Plan of Merger (the "Agreement") in the form attached was duly approved by the Board of Directors and shareholders of the Corporation.
3. There is only one class of shares and the total number of outstanding shares is 41,121.
4. The shareholder percentage vote required for the aforesaid approval approval was 100 percent.
5. The principal terms of the Agreement in the form attached were approved by the Corporation by a vote of the number of shares which equaled or exceeded the vote required.

On the date set forth below, in the Cities of Hampton and Reston, in the State of Virginia, each of the undersigned does hereby declare under the penalty of perjury under the laws of the State of California that he signed the foregoing certificate in the official capacity set forth beneath his signature, and that the statements set forth in said certificate are true of his own knowledge.

Signed on July 10th, 1992


Louis J. Oliverio, Vice President


James M. Zigel, Secretary

PATENT

REEL: 9342 FRAME: 0986

LUCAS AUTOMATION & CONTROL ENGINEERING, INC.

CERTIFICATE OF APPROVAL AND AGREEMENT AND PLAN OF MERGER

John Berkenkamp and James M. Zigel state and certify that:

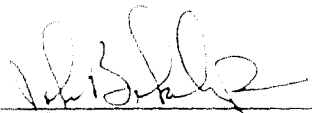
1. They are the President and Secretary, respectively of Lucas Automation & Control Engineering, Inc., a Virginia corporation (the "Corporation").
2. The Agreement and Plan of Merger (the "Agreement") in the form attached was duly approved by the Board of Directors and shareholders of the Corporation.
3. The total number of outstanding shares of each class of this Corporation entitled to vote on the merger is as follows:

<u>Class</u>	<u>Total Number of Shares Entitled to Vote</u>
Common-Class A	850
Common-Class B	-0-

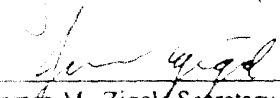
4. The shareholder percentage vote required for the aforesaid approval was 100 percent.
5. The principal terms of the Agreement in the form attached were approved by the Corporation by a vote of the number of shares which equaled or exceeded the vote required.

On the date set forth below, in the Cities of Stamford and Reston, in the State of Connecticut and Virginia respectively, each of the undersigned does hereby declare under the penalty of perjury under the laws of the State of California that he signed the foregoing certificate in the official capacity set forth beneath his signature, and that the statements set forth in said certificate are true of his own knowledge.

Signed on July 16th, 1992



John Berkenkamp, President



James M. Zigel, Secretary



STATE OF CALIFORNIA
FRANCHISE TAX BOARD
P.O. BOX 942857
SACRAMENTO, CA 94257-0541

TAX CLEARANCE CERTIFICATE

June 18, 1992

EXPIRATION DATE: September 15, 1992

LUCAS DEECO CORP.
LUCAS INDUSTRIES INC
11180 SUNRISE VLY DR
RESTON VA 22091

ISSUED TO: LUCAS DEECO CORP.
Corporate Number 1126867 LD3C*

This is to certify that all taxes imposed under the Bank and Corporation Tax Law on this corporation have been paid or are secured by bond deposit or other security.

A copy of this Tax Clearance Certificate has been sent to the Office of the Secretary of State. This original Tax Clearance Certificate may be retained in the files of the corporation.

By the Expiration Date noted above, this corporation must have filed the documents required by the Secretary of State to dissolve, withdraw or merge. Requests for the appropriate documents must be directed to: Office of the Secretary of State at 1230 J Street, Sacramento, CA 95814. The telephone number is (916) 445-0620.

NOTE: If the required documents are not filed with the Secretary of State prior to the Expiration Date noted above, the corporation will remain subject to the filing requirements of the Bank and Corporation Tax Law.

FRANCHISE TAX BOARD

By J. Snyder
Special Audit Unit
Corporation Audit Section
Telephone (916) 359-4124

COPY



PATENT

RECORDED: 07/29/1998

REEL: 9342 FRAME: 0988