

PATENTS ONLY ABME-0449

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

1. Name of conveying party(ies):		2. Name and address of receiving party(ies).	
ABB Automation Inc.	10/31/2001	Name: ABB INC.	
First Assignor	Date of Execution	Street Address: 208 South Rogers Lane	
Second Assignor	Date of Execution	City: Raleigh	
Third Assignor	Date of Execution	State North Carolina ZIP 27610	
Fourth Assignor	Date of Execution	Additional name(s) & address attached? ☐ YES ☒ NO	
Fifth Assignor	Date of Execution	3. Nature of Conveyance (check only one):	
Sixth Assignor	Date of Execution	☐ New Assignment ☐ License Agreement ☐ Change of Name ☒ Merger ☐ Security Agreement ☐ Other	
Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO			

4. Identification of Application number(s), patent number(s) OR date of execution of application to which assignment refers:		
Application Nos.:	Patent Nos.:	Date application was signed by the first named executing inventor
	See Attached List	
		(Fill-in this date only if assignment is filed together with a new application)

5. Name and address of party to whom correspondence concerning documents should be mailed:	6. Total number of applications and patents involved: 16
	7. Total fee (37 CFR 3.41): \$640 ☐ Enclosed ☒ Authorized to be charged to Deposit Account Number 23-3050
	8. Please charge any deficiency or credit any overpayment to Deposit Account Number 23-3050

DO NOT USE THIS SPACE

9. Statement and signature.	
<i>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.</i>	
Steven B. Samuels/Reg. No. 37,711	May 14, 2004
Name of Person Signing/Reg. No.	Signature Date
Total number of pages including cover sheet, assignment document and additional pages attached thereto: 10	

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services
 Commissioner for Patents
 P.O. Box 1450
 Alexandria, VA 22313-1450

PATENT

700084871

REEL: 014634 FRAME: 0024

CH \$640.00 233050 5173657

**Attachment to Recordation Cover Sheet For Recordal of
Certificate of Merger of ABB Automation Inc. into ABB Inc.**

Patent No.	Attorney Docket No.
5,173,657	ABME-0342
5,256,979	ABME-0014
5,537,333	ABME-0455
5,835,331	ABME-0243
5,874,903	ABME-0222
5,923,269	ABME-0232
5,940,009	ABME-0225
5,959,243	ABME-0205
5,966,010	ABME-0236
4,963,820	ABME-0203
5,544,089	ABME-0454
5,548,527	ABME-0453
5,555,508	ABME-0461
5,621,629	ABME-0457
5,631,843	ABME-0210
5,978,371	ABME-0213

State of Delaware
Office of the Secretary of State PAGE 1

I, HARRIET SMITH WINDSOR, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"ABB AUTOMATION INC.", A OHIO CORPORATION,
WITH AND INTO "ABB INC." UNDER THE NAME OF "ABB INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE EIGHTH DAY OF NOVEMBER, A.D. 2001, AT 2 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE FIRST DAY OF JANUARY, A.D. 2002.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Harriet Smith Windsor
Harriet Smith Windsor, Secretary of State

0902539 8100M

AUTHENTICATION: 1437317

010866732

DATE: 11-09-01
PATENT

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NOV-22-2001 13:24

C.T. CORP

STATE OF DELAWARE
 SECRETARY OF STATE
 DIVISION OF CORPORATIONS
 FILED 02:00 PM 11/02/2001
 010566722 - 0902339

CERTIFICATE OF MERGER

ABB AUTOMATION INC.

INTO

ABB INC.

The undersigned corporation **DOES HEREBY CERTIFY:**

FIRST: That the name and state of incorporation of each of the constituent corporations of the merger is as follows:

NAME	STATE OF INCORPORATION
ABB Automation Inc.	Ohio
ABB Inc.	Delaware

SECOND: That an Agreement of Merger between the parties to the merger has been approved, adopted, certified, executed and acknowledged by each of the constituent corporations in accordance with the requirements of section 252 of the General Corporation Law of Delaware.

THIRD: That the name of the surviving corporation of the merger is ABB Inc., a Delaware corporation.

FOURTH: That the Certificate of Incorporation of ABB Inc., a Delaware corporation which is surviving the merger, shall be the Certificate of Incorporation of the surviving corporation.

NY-22-2001 13:65

C.T. CORP

1 212 247 2882 P.03/03

FIFTH: That the executed Agreement of Merger is on file at an office of the surviving corporation, the address of which is 501 Merritt 7, Norwalk, Connecticut 06851.

SIXTH: That a copy of the Agreement of Merger will be furnished by the surviving corporation, on request and without cost, to any stockholder of any constituent corporation.

SEVENTH: The authorized capital stock of each foreign corporation which is a party to the merger is as follows:

Corporation	Class	Number of Shares	Par value per share or statement that shares are without par value
ABB Automation Inc.	Common	100	No Par Value

EIGHTH: That this Certificate of Merger shall be effective on January 1, 2002.

Dated: October 31, 2001

ABB INC.


By: Eugene E. Madara
Vice President



Prescribed by **J. Kenneth Blackwell**

Please obtain fee amount and mailing instructions from the Filing Reference Guide (using the 3 digit form # located at the bottom of this form). To obtain the Filing Reference Guide or for assistance, please call Customer Service:

Central Ohio: (614)-466-3910 Toll Free: 1-877-SOS-FILE (1-877-767-3453)

Expects is an additional fee
of \$100.00
~~Expects~~

CERTIFICATE OF MERGER

In accordance with the requirements of Ohio law, the undersigned corporations, banks, savings banks, and loan, limited liability companies, limited partnerships and/or partnerships with limited liability, desire to effect a merger, set forth the following facts:

I. SURVIVING ENTITY

A. The name of the entity surviving the merger is:

ARB DE Inc. (ARB Inc.)

B. Name Change: As a result of this merger, the name of the surviving entity has been changed to the following:

N/A

(Complete only if name of surviving entity is changing through the merger)

C. The surviving entity is a: (Please check the appropriate box and fill in the appropriate blanks)

- ☐ Domestic (Ohio) for-profit corporation, charter number _____
- ☐ Domestic (Ohio) non-profit corporation, charter number _____
- ☒ Foreign (Non-Ohio) corporation incorporated under the laws of the state/country of Delaware
and licensed to transact business in the State of Ohio under license number 567124
- ☐ Foreign (Non-Ohio) corporation incorporated under the laws of the state/country of _____
and NOT licensed to transact business in the state of Ohio.
- ☐ Domestic (Ohio) limited liability company, with registration number _____
- ☐ Foreign (Non-Ohio) limited liability company organized under the laws of the state/country of _____
and registered to do business in the State of Ohio under registration number _____
- ☐ Foreign (Non-Ohio) limited liability company organized under the laws of the state/country of _____
and NOT registered to do business in the State of Ohio.
- ☐ Domestic (Ohio) limited partnership, with registration number _____
- ☐ Foreign (Non-Ohio) limited partnership organized under the laws of the state/country of _____
and registered to do business in the state of Ohio under registration number _____
- ☐ Foreign (Non-Ohio) limited partnership organized under the laws of the state/country of _____
and NOT registered to do business in the state of Ohio.
- ☐ Domestic (Ohio) partnership having limited liability, with the registration number _____

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J. Kenneth Blackwell

Secretary of State

- ☐ Foreign (Non-Ohio) partnership having limited liability organized under the laws of the state/country of _____ and registered to do business in the state of Ohio under registration number _____
- ☐ Foreign (Non-Ohio) non-profit incorporation under the laws of the state/country of _____ and licensed to transact business in the state of Ohio under license number _____
- ☐ Foreign (Non-Ohio) non-profit incorporation under the laws of the state/country of _____ and not licensed to transact business in the state of Ohio.

II. MERGING ENTITY

The name, charter/license/registration number, type of entity, state/country of incorporation or organization, respectively, of which is a party to the merger are as follows: (If this is insufficient space to reflect all merging entities, please attach a separate sheet listing the merging entities)

Name	State/Country of Organization	Type of Entity
ABR Automation Inc. (Charter No. 316177)	Ohio	Corporation
_____	_____	_____
_____	_____	_____
_____	_____	_____

III. MERGER AGREEMENT ON FILE

The name and mailing address of the person or entity from whom/which eligible persons may obtain a copy of the agreement of merger upon written request:

Eugene E. Madara	501 Merritt 7
(name)	(street and number)
Newark	CT 0851
(city, village or township)	(state) (zip code)

IV. EFFECTIVE DATE OF MERGER

This merger is to be effective on: January 1, 2002 (If a date is specified, the date must be a date on or after the date of filing; the effective date of the merger cannot be earlier than the date of filing. If no date is specified, the date of filing will be the effective date of the merger).

V. MERGER AUTHORIZED

The laws of the state or country under which each constituent entity exists, permits this merger. This merger was adopted, approved and authorized by each of the constituent entities in compliance with the laws of the state under which it is organized, and the persons signing this certificate on behalf of each of the constituent entities are duly authorized to do so.

VI. STATUTORY AGENT

The name and address of the surviving entity's statutory agent upon whom any process, notice or demand may be served is:

CT Corporation System	1300 East 96th Street
(name)	(street and number)
Cleveland	44114
(city, village or township)	(zip code)

(This item **MUST** be completed if the surviving entity is a foreign entity which is not licensed, registered or otherwise authorized to conduct business in the state of Ohio)

VII. ACCEPTANCE OF AGENT

The undersigned, named herein as the statutory agent for the above referenced surviving entity, hereby acknowledges and accepts the appointment of statutory agent for said entity.

J. Kenneth Blackwell
Secretary of State

VII. ACCEPTANCE OF AGENT

The undersigned, named herein as the statutory agent for the above referenced surviving entity, hereby acknowledges and accepts the appointment of statutory agent for said entity.

Signature of Agent
(The acceptance of agent must be completed by domestic surviving entities if through this merger the statutory agent for the surviving entity has changed, or the named agent differs in any way from the name currently on record with the Secretary of State.)

VIII. STATEMENT OF MERGER

Upon filing, or upon such later date as specified herein, the merging entity/entities listed herein shall merge into the listed surviving entity

IX. AMENDMENTS

The articles of incorporation, articles of organization, certificate of limited partnership or registration of partnership having limited liability (circle appropriate term) of the surviving domestic entity have been amended. Please see attached "Exhibit A." (Please note, if there will be no change please state "no change")

X. QUALIFICATION OR LICENSURE OF FOREIGN SURVIVING ENTITY

A. The listed surviving foreign corporation, bank, savings bank, savings and loan, limited liability company, limited partnership, or partnership having limited liability desires to transact business in Ohio as a foreign corporation, bank, savings bank, savings and loan, limited liability company, limited partnership, or partnership having limited liability, and hereby appoints the following as its statutory agent upon whom process, notice or demand against the entity may be served in the state of Ohio. The name and complete address of the statutory agent is:

(name)

(street and number)

(city, village or township)

Ohio

(zip code)

The subject surviving foreign corporation, bank, savings bank, savings and loan, limited liability company, limited partnership, or partnership having limited liability irrevocably consents to service of process on the statutory agent listed above as long as the authority of the agent continues, and to service of process upon the Secretary of State of Ohio if the agent cannot be found, if the corporation, bank, savings bank, savings and loan, limited liability company, limited partnership, or partnership having limited liability fails to designate another agent when required to do so, or if the foreign corporation's, bank's, savings bank's, savings and loan's, limited liability company's, limited partnership's, or partnership having limited liability's license or registration to do business in Ohio expires or is canceled.

B. The qualifying entity also states as follows: (Complete only if applicable)
1. Foreign Notice Under Section 1763.031
(If the qualifying entity is a foreign bank, savings bank, or savings and loan, then the following information must be completed.)
(a.) The name of the Foreign Nationally/Federally chartered bank, savings bank, or savings and loan association is
(b.) The name(s) of any Trade Name(s) under which the corporation will conduct business:
(c.) The location of the main office (non-Ohio) shall be:
(name address)
(city, township, or village) (county) PATENT (state) (zip code)
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J. Kenneth Blackwell
Secretary of State

(d.) -The principal office location in the state of Ohio shall be:

(Please attach to this page)

(City, township, or village)

(004054)

(2125)

(see end

(Please note, if there will not be an office in the state of Ohio, please list none.)

(c) The corporation will exercise the following purpose(s) in the state of Ohio:

(Please provide a brief summary of the business to be conducted; a general clause is not sufficient)

2. Foreign Qualifying Limited Liability Company

(If the qualifying entity is a foreign limited liability company, the following information must be completed.)

(a) The name of the limited liability company in its state of organization/registration is

(b.) The names under which the limited liability company desires to transact business in Ohio is

(c.) The limited liability company was organized or registered on _____ under the laws of the state/country of _____

(d.) The address to which interested persons may direct requests for copies of the articles of organization, operating agreement, bylaws, or other charter documents of the company is:

(1991, 1992)

(city, township, or village)

(b)(5) DPP

(see word)

3. Foreign Qualifying Limited Partnerships

(If the qualifying entity is a foreign limited partnership, the following information must be completed)

(a) The name of the limited partnership is

(b). The limited partnership was formed on

(c.) The address of the office of the limited partnership is its state/country of organization is:

(b)(7)(C), (b)(7)(D)

(city, township, or village)

(057007)

(5432)

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(4.) The limited partnership's principal office address is:

(Street address)

(Title, description, or volume)

(country)

(Faint)

(b)(7)(C), (b)(7)(D)

(u) The names and business or residence addresses of the General partners of the partnership are as follows:

Name	Address
------	---------

(If insufficient space to cover this item, please attach a separate sheet listing the general partners and their respective addresses.)

J. Kenneth Blackwell
Secretary of State

(f.) The address of the office where a list of the names and business or residence addresses of the limited partners and their respective capital contributions is to be maintained is:

(street address)

(city, township, or village) (county) (state) (zip code)

The limited partnership hereby certifies that it shall maintain said records until the registration of the limited partnership in Ohio is canceled or withdrawn.

4. Foreign Qualifying Partnership Having Limited Liability

(a.) The name of the partnership shall be

(b.) Please complete the following appropriate section (either item b(1) or b(2)):

(1.) The address of the partnership's principal office in Ohio is:

(street name and number)

_____, Ohio
(city, village or township) (zip code)

(If the partnership does not have a principal office in Ohio, then items b2 and item c must be completed)

(2.) The address of the partnership's principal office (Non-Ohio):

(street address)

(city, township, or village) (state) (zip code)

(c.) The name and address of a statutory agent for service of process in Ohio is as follows:

(name) (street and number)

_____, Ohio
(city, village or township) (zip code)

(d.) Please indicate the state or jurisdiction in which the Foreign Limited Liability Partnership has been formed

(e.) The business which the partnership engages in is:

The undersigned constituent entities have caused this certificate of merger to be signed by its duly authorized officers, partners and representatives on the date(s) stated below.

ABB Automation Inc.
(Exact name of entity)

By: Katherine M. Schick
Title: Assistant Secretary
Date: 12-31-01

ABB DE Inc. (ABB Inc.)
(Exact name of entity)

By: [Signature]
Title: Vice President
Date: 12-31-01



FACSIMILE

PHILADELPHIA

One Liberty Place, 46th Floor
Philadelphia, PA 19103
215-568-3100
Fax: 215-568-3439

SEATTLE

999 Third Avenue, Suite 1606
Seattle, WA 98104
206-332-1380
Fax: 206-624-7317

DATE: May 14, 2004
OFFICIAL PAPER

JOB CODE: 89022

Please deliver this and the following pages to:

U.S.P.T.O. Group Art Unit: **Assignment Branch**
Telecopier No.: **703-306-5995**
U.S. Patent No.: **List Attached to Recordation Cover Sheet**
Client/Matter No.: **ABME-0449**
Sender's Name: **Janis Calvo**
Pages to Follow: **10**

If transmission is not complete, please call our **Philadelphia Office** at (215) 568-3100.

COVER MESSAGE:

OFFICIAL FACSIMILE. PLEASE TO EXAMINER IMMEDIATELY.

Attached hereto is/are the following documents:

- 1) **Recordation Cover Sheet**
- 2) **Certificate of Merger of ABB Automation Inc. into ABB Inc.**

THIS MESSAGE IS INTENDED ONLY FOR THE USE OF THE INDIVIDUAL OR ENTITY TO WHICH IT IS ADDRESSED AND MAY CONTAIN INFORMATION THAT IS PRIVILEGED, CONFIDENTIAL AND EXEMPT FROM DISCLOSURE UNDER APPLICABLE LAW. IF THE READER OF THIS MESSAGE IS NOT THE INTENDED RECIPIENT, OR THE EMPLOYEE OR AGENT RESPONSIBLE FOR DELIVERY OF THE MESSAGE TO THE INTENDED RECIPIENT, YOU ARE HEREBY NOTIFIED THAT ANY DISSEMINATION, DISTRIBUTION OR COPYING OF THIS COMMUNICATION IS STRICTLY PROHIBITED. IF YOU HAVE RECEIVED THIS COMMUNICATION IN ERROR, PLEASE NOTIFY US IMMEDIATELY BY TELEPHONE AND RETURN THE ORIGINAL TO US AT THE ABOVE ADDRESS VIA THE U.S. POSTAL SERVICE. THANK YOU.

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RECORDED: 05/14/2004

PATENT
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