

01-31-2002



/ER SHEET

1.1802

To The Honorable Commission

101966133

rd the attached original documents or copy thereof.

1. Name of conveying party(ies):

ASEA BROWN BOVERI INC.**June 27, 2001**

First Assignor

Date of Execution

Second Assignor

Date of Execution

Third Assignor

Date of Execution

Fourth Assignor

Date of Execution

Fifth Assignor

Date of Execution

Sixth Assignor

Date of Execution

Additional name(s) of conveying party(ies) attached? ☐ YES ☒ NO

2. Name and address of receiving party(ies):

Name: **ABB INC.**

Street Address: 1021 Main Campus Drive

City: Raleigh

State North Carolina

ZIP 27606

Additional name(s) & address attached? ☐ YES ☒ NO

3. Nature of Conveyance (check only one):

☐ New Assignment☐ Merger☐ License Agreement☐ Security Agreement☒ Change of Name☐ Other: Certificate of**Amendment of Certificate of Incorporation of Asea Brown Boveri Inc.**☐ Cross-reference of Assignment filed in United States Application No. ----/----, recorded on

----/---- at Reel No. ---- and Frame 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

18 2001

67664945

(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:

Name: **STEVEN B. SAMUELS****WOODCOCK WASHBURN KURTZ MACKIEWICZ & NORRIS LLP**
One Liberty Place - 46th Floor
Philadelphia, Pennsylvania 19103-7301
215-568-31006. Total number of applications and patents involved: **123**

7. Total fee (37 CFR 3.41):.....\$40.00

☒ 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.

*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.***Samuel B. Samuels/Reg. No. 37,711**

Name of Person Signing/Reg. No.

Signature

Date

Total number of pages including cover sheet, assignment document and additional pages attached thereto: **14**

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231**PATENT**
REEL: 012470 FRAME: 0437

ATTACHMENT TO RECORDATION COVER SHEET						
Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABDT-0002/B900080	07/664,945	3/5/91	5,078,437	1/7/92	4/8/91	5659/865
ABDT-0003/B900110	07/665,556	3/5/91	5,189,257	2/23/93	4/8/91	5659/858
ABDT-0036/B100771	08/322,218	10/13/94	5,829,298	11/3/98	10/13/94	7209/021
ABDT-0145/B920171	08/378,200	1/25/95	5,485,945	1/23/96	8/21/95	7625/0957
ABDT-0147/B920120	08/510,586	8/2/95	5,661,280	8/26/97	9/13/95	7635/0602
ABDT-0151/B920270	08/428,392	4/25/95	5,710,534	1/20/98	11/20/95	7716/0198
ABDT-0158/B950360	08/802,694	2/19/97	5,904,953	5/18/99	8/14/97	8678/0259
ABDT-0163/B950680	08/713,658	9/13/96	5,643,007	7/1/97	11/13/96	8217/0210
ABDT-0165/B960180	08/730,624	10/21/96	5,684,446	11/4/97	3/3/97	8379/0588
ABDT-0166/ B950490/B960190	08/725,773	10/4/96	5,739,464	4/14/98	1/13/97	8302/492
ABDT-0189/B960280	08/837,989	4/15/97	5,938,103	8/17/99	2/13/98	9062/0742
ABDT-0191/B960201	08/778,608	1/6/97	5,949,017	9/7/99	3/27/97	8425/724

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABDT-0221/B970390	09/089,063	6/2/98	5,943,229	8/24/99	7/6/98	9301/0606
ABDT-0280/B970060	09/119,791	7/21/98	6,080,935	6/27/00	8/24/98	9399/0466
ABDT-0281/B970660	09/054,947	4/3/98			5/29/98	9230/0971
ABDT-0283/B980210	09/576,976	5/23/00			8/31/00	011069/0633
ABDT-0284/B980180	09/157,793	9/21/98	6,066,802	5/23/00	11/16/98	9587/0871
ABDT-0285/B980370	09/157,787	9/21/98	6,114,624	9/5/00	10/28/98	9555/0671
ABDT-0294/B960202	09/138,235	8/21/98	6,312,623	11/6/01	11/18/98	9598/0968
ABDT-0296/B980480	09/405,587	9/27/99	6,223,421	5/1/01	11/29/99	010435/0062
ABDT-0297/B980490	09/405,017	9/27/99	6,221,297	4/4/01	11/26/99	010424/0197
ABDT-0301/B980040	29/103,428+	4/14/99	D422,577	4/11/00	5/21/99	009962/0399
ABDT-0305/B970370	09/318,974	5/26/99	6,140,572	10/31/00	7/6/99	010064/0604
ABDT-0306/B960203	09/321,653	5/28/99	6,274,067	8/14/01	3/27/97	8425/724

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABDT-0324/B950381	09/364,029	7/30/99	6,138,343	10/31/00	1/8/98	8901/0130
ABDT-0355/B990310	09/541,523	4/3/00			6/26/00	010931/0401
ABDT-0356/B970641	09/430,561	10/29/99			12/9/99	010440/0329
ABDT-0382/B980130	09/653,774	9/1/00	6,271,467	8/7/01	11/20/00	011316/0797
ABDT-0383/B990440	09/711,284	11/13/00			3/23/01	011663/0274
ABDT-0393/B000440	09/752,911	12/29/00			4/4/01	011690/0704
ABDT-0412/B970732	09/817,420	3/26/01			6/14/01	011897/0288
ABDT-0444/B960204	09/928,000	8/10/01				
ABHS-0002/B930330	08/196,590	2/14/94	5,576,523	11/19/96	2/23/95	7352/175
ABHS-0003/B930350	08/225,239	4/8/94	5,466,891	11/14/95	6/9/94	7020/105
ABHS-0006/B930420	08/220,246	3/30/94	5,508,487	4/16/96	5/12/94	6987/0545
ABHS-0007/B930430	08/220,233	3/30/94	5,504,289	4/2/96	5/2/94	6969/0702

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABHS-0008 B930550; B930560; B940100	08/226,274	4/11/94	5,629,869	5/13/97	5/24/94	6991/927
ABHS-0010/B930460	08/225,238	4/8/94	5,483,210	1/9/96	3/13/96	7846/0732
ABHS-0016/B930331	08/225,245	4/8/94	5,569,891	10/29/96	5/31/94	7007/0095
ABHS-0021/B940010	08/342,234	11/18/94	5,584,379	12/17/96	1/9/95	7301/914
ABHS-0124/B930552	08/451,996	5/26/95	5,636,134	6/3/97	7/14/95	7560/0584
ABHS-0125/B930371	08/460,195	6/2/95	5,585,610	12/17/96	7/7/95	7525/0520
ABHS-0126/B930381	08/459,541	6/2/95	5,654,532	8/5/97	7/7/95	7525/0513
ABHS-0136/B950411	08/782,664	1/14/97	5,971,374	10/26/99	4/4/97	8560/0064
ABHS-0137/B930551	08/644,587	5/10/96	5,638,296	6/10/97	10/21/96	8188/0164
ABHS-0138/B970280	08/925,880	9/8/97	5,889,248	3/30/99	2/2/98	8960/0757
ABHS-0141/B970270	08/967,134	11/10/97	5,974,361	10/26/99	2/13/98	8972/0492
ABHS-0144/B990100	09/288,678	4/9/99	6,263,914	7/24/01	6/18/99	010031/0797

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABHS-0146/B990110	09/606,835	6/29/00			9/12/00	011187/0057
ABHS-0147/B990170	09/606,274	6/29/00			9/11/00	011088/0739
ABHS-0148/B990230	09/578,883	5/26/00			5/26/00	010854/0071
ABHS-0149/B990300	09/613,935	7/11/00			10/16/00	011434/0637
ABHS-0150/B970531	09/564,439	5/4/00			7/22/00	011017/0458
ABHS-0154/B000560	60/258,332	12/27/00			2/28/01	11512/0080
ABMS-0001/B930060	08/151,550	11/12/93	5,395,247	3/7/95	6/28/94	7041/321
ABMS-0002/B930040	08/157,385	11/23/93	5,466,902	11/14/95	3/4/94	6887/0202
ABMS-0006/B930230	08/195,934	2/14/94	5,434,369	7/18/95	7/25/94	7074/152
ABMS-0007/B940190	08/221,102	3/31/94	5,585,611	12/17/96	4/24/95	7441/0464
ABMS-0046/B940390	08/538,448	10/3/95	5,689,097	11/18/97	1/6/96	7762/0298
ABMS-0047/B950430	08/609,464	3/1/96	5,721,406	2/24/98	5/13/96	7939/0268

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABMS-0048/B950440	08/538,746	10/3/95	5,574,624	11/12/96	12/15/95	7746/421
ABMS-0049/B950670	08/552,519	10/13/95	5,691,518	11/25/97	1/16/96	7762/0288
ABMS-0050/B950650	08/651,710	5/21/96	5,975,145	11/2/99	7/29/96	8049/0817
ABMS-0051/B950700	08/688,504	7/30/96	5,710,402	1/20/98	10/15/96	8317/266
ABMS-0053/B960170	08/808,318	2/28/97	5,953,192	9/14/99	6/25/97	8575/0251
ABMS-0067/B960440	08/794,491	2/4/97	5,912,604	7/15/99	4/28/97	8476/0323
ABMS-0069/B960490	29/066,810	2/21/97	D398,313	9/15/98	6/3/97	8552/0221
ABMS-0076/B940392	08/900,422	7/25/97	5,892,195	4/6/99	1/2/98	8879/0696
ABMS-0080/B980430	09/332,718	6/14/99	6,175,166	1/16/01	6/14/99	010047/0738
ABMS-0082/B980520	09/295,163	4/20/99			6/1/99	9990/0222
ABMS-0084/B980160	09/310,291	5/12/99	6,134,124	10/17/00	1/10/00	010508/0964
ABMS-0085/B980170	09/310,652	5/12/99	6,169,390	1/2/01	5/12/99	009978/0536
ABMS-0086/B980190	09/363,530	7/29/99	6,184,593	2/6/01	7/29/99	010145/0126

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABMS-0089/B990010	09/363,426	7/29/99	6,181,113	1/30/01	9/16/99	010233/0583
ABMS-0090/B950651	09/401,404	9/22/99			11/4/99	010357/0965
ABMS-0092/B990580	09/454,907	12/3/99			1/31/00	010569/0722
ABMS-0122/B010420	09/875,059	6/6/01			8/23/01	012102/0171
ABPS-0001/B940330	08/409,354	3/25/95		9/8/98	4/1/96	7874/0775
ABPS-0019/B960010	08/714,757	9/16/96	5,770,897	6/23/98	12/9/96	8266/0423
ABPS-0023/B960350	08/710,315	9/16/96	5,796,259	8/18/98	11/15/96	8224/0645
ABPS-0025/B960370	08/710,318	9/16/96	5,786,684	7/28/98	11/15/96	8224/0770
ABPT-0002/B920200	08/353,478	12/9/94	5,692,158	11/25/97	4/24/95	7441/294
ABPT-0014/B950220	08/556,312	11/13/95	5,693,922	12/2/97	2/20/96	7831/0198
ABPT-0046/B920193	08/878,255	6/18/97	5,781,764	7/14/98	9/8/97	8707/0131
ABPT-0047/B940041	08/899,557	7/24/97	5,847,939	12/8/98	12/22/97	9017/0961

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABPT-0073/B940401	09/251,289	2/17/99	6,218,927	4/17/01	3/22/99	9859/0192
ABPT-0074/B970480	09/457,789	12/9/99			2/23/00	010631/0156
ABPT-0075/B980610	09/240,248	1/29/99	6,212,742	4/10/01	3/22/99	9835/0976
ABPT-0076/B950361	09/233,269	1/19/99	5,980,995	11/9/99	2/19/99	9776/0302
ABPT-0078/B990320	09/481,672	1/12/00	6,271,470	8/7/01	3/14/00	010693/0891
ABPT-0079/B990330	09/574,789	5/19/00			11/20/00	011319/0643
ABPT-0100/B990640	09/496,476	2/2/00			4/17/00	010751/0968
ABPT-0101/B990660	09/483,786	1/14/00			3/27/00	010715/0024
ABPT-0125/B990370	09/825,455	4/3/01			5/17/01	011803/0260
ABSC-0001/B920330	07/993,702	12/21/92	5,371,736	12/6/94	3/24/93	7040/895
ABSC-0005/B010530	60/277,006	3/19/01			6/7/01	011872/0043
ABSP-0004/B910150	08/060,245	5/11/93	5,455,551	10/3/95	5/11/93	6553/0182
ABSP-0008/B910151	08/470,680	6/6/95	5,651,175	7/29/97	8/4/95	7572/0254

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABTT-0001/ B920390 and B930480	08/332,885	11/1/94	5,530,366	6/25/96	11/16/94	7209/663
ABTT-0004/B920430	08/377,841	1/25/95	5,628,861	5/13/97	3/30/95	7402/906
ABTT-0006 B940070/B940090	08/484,571	6/7/95	5,747,992	5/5/98	8/14/95	7567/0902
ABTT-0010/B950010	08/379,920	1/30/95	5,625,277	4/29/97	4/3/95	7407/640
ABTT-0133/B920431	08/754,984	11/22/96	5,817,209	10/6/98	6/22/98	9271/0962
ABTT-0134/ B940071/B940091	08/859,749	5/21/97	5,804,974	9/8/98	10/27/97	8770/0586
ABTT-0135/B940181	08/950,333	10/14/97	5,798,939	8/25/98	2/20/98	8973/0243
ABTT-0137/B970500	09/271,809	3/18/99	6,154,036	11/28/00	4/28/99	9913/0230
ABTT-0138/B970650	09/272,017	3/18/99	6,249,230	6/19/01	8/29/00	011076/0497
ABTT-0139/B980070	09/039,881	3/16/98	6,005,759	12/21/99	7/6/98	9293/0801

Attorney Docket No.	Serial No.	Filing Date	Patent No. [if applicable]	Issue Date [if applicable]	Recorded	Reel/Frame
ABTT-0144/B950740	09/079,983	5/15/98	6,219,591	4/17/01	7/23/98	9333/0241
ABTT-0148/B990070	09/333,185	6/14/99	6,249,719	6/19/01	1/12/00	010545/0288
ABTT-0149/B990200	09/684,505	10/6/00			1/16/01	11454/0020
ABTT-0153/B990130	09/653,663	9/1/00			11/27/00	011335/0491
ABTT-0154/B990150	09/524,159	3/14/00			7/19/00	010986/0030
ABTT-0155/B990480	09/603,342	6/26/00			7/25/00	011001/0966
ABTT-0212/B000010	09/759,568	1/12/01			4/6/01	011688/0286
ABTT-0217/B0000350	09/740,167	12/19/00			4/6/01	011688/0292
ABTT-0236/B0000500	60/259,246	12/29/00			4/6/01	011680/0820
ABTT-0237/B0000550	09/752,384	12/29/00			4/20/01	011689/0378
ABTT-0238/B010090	60/271,320	2/23/01			4/13/01	011723/0045
ABTT-0239/B0000690	60/258,474	12/28/00			2/9/01	011519/0057
ABTT-0240/B000700	60/258,478	12/28/00			2/9/01	011517/0129

<i>Attorney Docket No.</i>	<i>Serial No.</i>	<i>Filing Date</i>	<i>Patent No. [if applicable]</i>	<i>Issue Date [if applicable]</i>	<i>Recorded</i>	<i>Reel/Frame</i>
ABTT-0241/B010350	09/896,982	7/2/01			8/22/01	012082/0743
ABTT-0246/B000051	09/839,783	4/20/01			8/27/01	012116/0806

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 AMENDMENT OF "ASEA BROWN BOVERI INC.", CHANGING ITS NAME FROM "ASEA BROWN BOVERI INC." TO "ABB INC.", FILED IN THIS OFFICE ON THE TWENTY-SEVENTH DAY OF JUNE, A.D. 2001, AT 9 O'CLOCK A.M.



Harriet Smith Windsor

Harriet Smith Windsor, Secretary of State

0902559 8100

010408345

AUTHENTICATION: 1309481

DATE: 08-23-01

PATENT
REEL: 012470 FRAME: 0449

CERTIFICATE OF AMENDMENT
OF
CERTIFICATE OF INCORPORATION
OF
ASEA BROWN BOVERI INC.

ASEA BROWN BOVERI INC., a Delaware corporation, pursuant to Section 242 of the General Corporation Law of the State of Delaware, CERTIFIES:

FIRST: The Directors of the said corporation by resolution duly adopted, and filed with the minutes of the board, declared the advisability of amending the Certificate of Corporation and set forth the amendment.

SECOND: The sole shareholder of the corporation has adopted the following resolution by Unanimous Written Consent amending the corporation's Certificate of Incorporation, in accordance with section 228 of the General Corporation Law of the State of Delaware.

RESOLVED, that paragraph 1 of the corporation's Certificate of Incorporation be deleted in its entirety and that the following be and it hereby is substituted in place thereof:

"FIRST. The name of the corporation is: ABB INC. "

THIRD: The foregoing amendment to the Certificate of Incorporation of the corporation has been duly adopted in accordance with the provisions of Sections 228 and 242 of the General Corporation Law of the State of Delaware.

IN WITNESS WHEREOF, ASEA BROWN BOVERI INC, has caused its name to be hereunto subscribed this 27th day of June, 2001.

ASEA BROWN BOVERI INC.

By 
Richard M. Burt
Vice President