

Atty Docket No.: 0107-1008-6X

FORM PTO-1595
1-31-92

07-20-2000



6.21.00

U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101409875

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

1. Name of conveying party(ies):

Thomas LANG
Benno BUCHER
Toni FREY

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

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: May 19, 2000

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

Name: ABB (Schweiz) AG
Address: Haselstrasse 16
CH-5401
Baden
SWITZERLAND

Additional name(s) and address(es) attached? ☐ Yes ☒ No

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)

09/488,835

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

6. Total applications and patents involved:

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

- ☒ Enclosed
☐ Authorized to be charged to deposit account

8. Deposit account number: 15-0030

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



22850

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.

Gregory J. Maier

Name of Person Signing

Signature

Date

Registration Number: 25,599

Total number of pages including this cover sheet: 7

07/19/2000 ASCOTT 00000226 09488835

01 FC:581

40.00

Do not detach this portion

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

Commissioner of Patents and Trademarks
Box Assignments
Washington, D.C. 20231

I:\atty\jfc\0107\1595.wpd

PATENT
REEL: 010922 FRAME: 0021

Assignment Of Application

Page 1 of 2

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

WHEREAS, I (WE) _____

Thomas LANG, Dr., Engineer, Swiss, Im Altried 1b, CH-8051 Zürich

Benno BUCHER, Engineer, Swiss, Burgstrasse 99, CH-8706 Meilen

both of Switzerland

Toni FREY; Engineer, Swiss, 58A Taman Nakhoda, Singapore 257772,
Singapore

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: _____

POWER SEMICONDUCTOR MODULE

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on _____

(Application No. 09/488,835, filed January 21, 2000), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, ABB (Schweiz) AG, CH-5401 Baden, Switzerland

(hereinafter referred to as "ASSIGNEE") having a place of business at: _____

Haselstrasse 16, CH-5401 Baden, Switzerland

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: _____	(Signature of Inventor) Thomas LANG
19. Mai 2000	
Date: _____	(Signature of Inventor) Benno BUCHER
Date: _____	(Signature of Inventor) Toni FREY
Date: _____	(Signature of Inventor)
Date: _____	(Signature of Inventor)
Date: _____	(Signature of Inventor)
Date: _____	(Signature of Inventor)
Date: _____	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
 ATTORNEYS AT LAW
 FOURTH FLOOR
 1755 JEFFERSON DAVIS HIGHWAY
 ARLINGTON, VIRGINIA 22202

Assignment Of Application

Page 1 of 2

INSERT NAMES
AND RESIDENCE
ADDRESSES OF
THE INVENTORS:

WHEREAS, I (WE) _____

Thomas LANG, Dr., Engineer, Swiss, Im Altried 1b, CH-8051 Zürich

Benno BUCHER, Engineer, Swiss, Burgstrasse 99, CH-8706 Meilen

both of Switzerland

Toni FREY; Engineer, Swiss, 58A Taman Nakhoda, Singapore 257772,
Singapore

INSERT TITLE
OF INVENTION:

have invented certain new and useful improvements in: _____

POWER SEMICONDUCTOR MODULE

INSERT DATE IN-
VENTORS SIGNED
DECLARATION:

for which an application for Letters Patent was executed on _____

(Application No. 09/488,835, filed January 21, 2000), and

INSERT NAME
AND ADDRESS OF
COMPANY OR
OTHER ASSIGNEE:

WHEREAS, ABB (Schweiz) AG, CH-5401 Baden, Switzerland

(hereinafter referred to as "ASSIGNEE") having a place of business at: _____

Haselstrasse 16, CH-5401 Baden, Switzerland

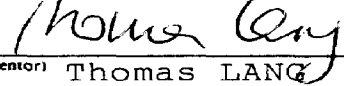
is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: <u>19. Mai 2000</u>	 (Signature of Inventor) <u>Thomas LANG</u>
Date: _____	(Signature of Inventor) <u>Benno BUCHER</u>
Date: _____	(Signature of Inventor) <u>Toni FREY</u>
Date: _____	(Signature of Inventor) _____
Date: _____	(Signature of Inventor) _____
Date: _____	(Signature of Inventor) _____
Date: _____	(Signature of Inventor) _____
Date: _____	(Signature of Inventor) _____

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
FOURTH FLOOR
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VIRGINIA 22202

Assignment Of Application

Page 1 of 2

WHEREAS, I (WE)

Thomas LANG, Dr., Engineer, Swiss, Im Altried 1b, CH-8051 Zürich

Benno BUCHER, Engineer, Swiss, Rebbergstrasse 50, CH-8049 Zürich

both of Switzerland

Toni FREY; Engineer, Swiss, 58A Taman Nakhoda, Singapore 257772,
Singapore

, respectively,

TITLE
INVENTION:

have invented certain new and useful improvements in:

POWER SEMICONDUCTOR MODULE

DATE IN-
VENTION
SIGNED:

for which an application for Letters Patent was executed on

(Application No. 09/488,835, filed January 21, 2000), and

NAME
INVENTOR
FOR
SIGNED:

WHEREAS, ABB (Schweiz) AG, CH-5401 Baden, Switzerland

(hereinafter referred to as "ASSIGNEE") having a place of business at:

Haselstrasse 16, CH-5401 Baden, Switzerland

is desirous of acquiring the entire right, title and interest in and to said invention and in and to any Letters Patent that may be granted therefore in the United States and its territorial possessions and in any and all foreign countries;

NOW, THEREFORE, in consideration of the sum of FIVE DOLLARS (\$5.00), the receipt whereof is hereby acknowledged, and for other good and valuable consideration, I (WE), by these presents do sell, assign and transfer unto said ASSIGNEE, the full and exclusive right to the said invention in the United States and its territorial possessions and in all foreign countries and the entire right, title and interest in and to any and all Letters Patent which may be granted therefor in the United States and its territorial possessions and in any and all foreign countries and in and to any and all divisions, reissues, continuations, substitutions and renewals thereof.

1/55

I (WE) hereby authorize and request the Patent Office Officials in the United States and its territorial possessions and any and all foreign countries to issue any and all of said Letters Patent, when granted, to said ASSIGNEE as the assignee of my (our) entire right, title and interest in and to the same, for the sole use and behoof of said ASSIGNEE, its (his) successors and assigns, to the full end of the term for which said Letters Patent may be granted, as fully and entirely as the same would have been held by me (us) had this Assignment and sale not been made.

Further, I (WE) agree that I (WE) will communicate to said ASSIGNEE or its (his) representatives any facts known to me (us) respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuation, substitute, renewal and reissue applications, execute all necessary assignment papers to cause any and all of said Letter Patent to be issued to said ASSIGNEE, make all rightful oaths, and, generally do everything possible to aid said ASSIGNEE, its (his) successors and assigns, to obtain and enforce proper protection for said invention in the United States and its territorial possessions and in any and all foreign countries.

The undersigned hereby grant(s) the firm of Oblon, Spivak, McClelland, Maier & Neustadt, P.C. of Fourth Floor, 1755 Jefferson Davis Highway, Arlington, Virginia 22202 the power to insert on this assignment any further identification, including the application number and filing date, which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Date: _____	(Signature of Inventor) THOMAS LANG
Date: _____	(Signature of Inventor) Berno BUCHER
Date: _____	(Signature of Inventor) Toni FREY
Date: _____	(Signature of Inventor)
Date: _____	(Signature of Inventor)
Date: _____	(Signature of Inventor)
Date: _____	(Signature of Inventor)
Date: _____	(Signature of Inventor)

OBLON, SPIVAK, McCLELLAND, MAIER & NEUSTADT, P.C.
ATTORNEYS AT LAW
FOURTH FLOOR
1755 JEFFERSON DAVIS HIGHWAY
ARLINGTON, VIRGINIA 22202

1/05

TOTAL P. 07