

07-13-1998



To the Honorable Commissioner of Pa

ed original documents or copy thereof.

1. Name of conveying party(ies):

Emilio Ghio, Simone Albi, Andrea Colonna,  
Francois Maugin, and Giovanni Rivera

Additional names of conveying party(ies) attached?

☐ yes ☒ no

3. Nature of Conveyance

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

Execution Dates May 7, 1998, May 18, 1998, May 20, 1998,  
and June 3, 1998.

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

Name: SGS-THOMSON Microelectronics S.r.l.

Internal Address:

Via C. Olivetti, 2  
I-20041 AGRATE BRIANZA (Milan - Italy)

Street Address: Same as Above

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Additional name(s) & address(es) attached? ☐ yes ☒ no

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

Title: METHOD FOR ASSESSING THE EFFECTS OF PLASMA TREATMENTS OF WAFERS OF SEMICONDUCTOR MATERIAL

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

A. Patent Application No(s).

08/990,617 filed December 15, 1997

B. Patent No(s).

Additional numbers attached? ☐ Yes ☒ No

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

Michele A. Mobley  
Jenkins & Gilchrist  
1445 Ross Avenue, Suite 3200  
Dallas, Texas 75202-2799

6. Total number of applications and patents involved: 1

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

- ☒ Enclosed  
☒ Authorized to be charged to deposit account  
☐ Total fee due  
☒ Any deficiencies in the enclosed fees

8. Deposit account number:

10-0447

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.

Michele A. Mobley

Name of Person Signing

Registration #35,616

Tel.: (512) 499-3833

Michele A. Mobley  
Signature

6-26-98  
Date

Total number of pages comprising cover sheet: 1

# Assignment

SERIAL NO. 08/990,617

FILED December 15, 1997

*In consideration of* the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

Emilio GHIO, Simone ALBA, Andrea COLOGNESE, François MAUGIN,

Giovanni RIVERA

Insert Name(s)  
of Inventor(s)

(hereinafter designated as the undersigned) hereby sell(s) and assign(s) to

~~SESXTHOMSONMICROELECTRONICSXXXXXX~~

Insert Name  
of Assignee

STMicroelectronics S.r.l.

Address of  
Assignee

of Via C. Olivetti, 2 - 20041 AGRATE BRIANZA - MILANO - ITALY

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee), the entire right, title and interest in the invention or improvements in

METHOD FOR ASSESSING THE EFFECTS OF PLASMA TREATMENTS OF WAFERS OF

Title of  
Invention

SEMICONDUCTOR MATERIAL

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Date of Signing  
of Application

on 3 June, 1998

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or letters patent or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

PATENT

REEL: 9292 FRAME: 0420

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 7 May, 1998, Name of Inventor X FIRITA E. GHIO  
(signature)  
Date 18 May, 1998, Name of Inventor X FIRITA S. ALBA  
(signature)  
Date                     , Name of Inventor X FIRITA A. COLOGNESE  
(signature)  
Date June 3, 1998, Name of Inventor X FIRITA F. HAUGAIN  
(signature)  
Date 18 May, 1998, Name of Inventor X FIRITA G. RIVERA  
(signature)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

FIRITA 2 TESTIMONI

Witness X  
Witness X  
Witness                     

#### ACKNOWLEDGMENT

\_\_\_\_\_  
\_\_\_\_\_ }  
\_\_\_\_\_

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me  
personally appeared the above-named \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

to me personally known to be the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

Witness my hand and seal the day and year last above given.

(SEAL)

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

PATENT  
REEL: 9292 FRAME: 0421

# Assignment

SERIAL NO. 08/990,617

FILED December 15, 1997

*In consideration of* the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

Emilio GHIO, Simone ALBA, Andrea COLOGNESE, François MAUGIN,

Giovanni RIVERA

Insert Name(s)  
of Inventor(s)

(hereinafter designated as the undersigned) hereby sell(s) and assign(s) to

XX

Insert Name  
of Assignee

STMicroelectronics S.r.l.

Address of  
Assignee

of Via C. Olivetti, 2 - 20041 AGRATE BRIANZA - MILANO - ITALY,

its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee), the entire right, title and interest in the invention or improvements in

METHOD FOR ASSESSING THE EFFECTS OF PLASMA TREATMENTS OF WAFERS OF

Title of  
Invention

SEMICONDUCTOR MATERIAL

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Date of Signing  
of Application

on 7 May, 1998; 18 May, 1998; 18 May, 1998

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or letters patent or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

PATENT

REFL: 9292 FRAME: 0422

*In witness whereof*, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 7 May, 1998, Name of Inventor *FIRMA E. GHI*  
(signature)  
Date 18 May, 1998, Name of Inventor *FIRMA E. GHI*  
(signature)  
Date \_\_\_\_\_, Name of Inventor \_\_\_\_\_  
(signature)  
Date \_\_\_\_\_, Name of Inventor *FIRMA E. GHI*  
(signature)  
Date 18 May, 1998, Name of Inventor *FIRMA E. GHI*  
(signature)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

Witness X  
Witness X  
Witness \_\_\_\_\_

#### ACKNOWLEDGMENT

\_\_\_\_\_  
\_\_\_\_\_ }

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me  
personally appeared the above-named \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

to me personally known to be the individual(s) who executed the foregoing assignment, who did acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set forth.

*Witness* my hand and seal the day and year last above given.

(SEAL)

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

PATENT  
REEL: 9292 FRAME: 0423

# Assignment

SERIAL NO. 08/990,617

FILED December 15, 1997

*In consideration of* the sum of One Dollar (\$1.00) and other good and valuable consideration, the receipt of which is hereby acknowledged,

Emilio GHIO, Simone ALBA, Andrea COLOGNESE, François MAUGIN,

Giovanni RIVERA

Insert Name(s)  
of Inventor(s)

(hereinafter designated as the undersigned) hereby sell(s) and assign(s) to

SESXIMONSONXMICROELECTRONICSXXKXX

Insert Name  
of Assignee

STMicroelectronics S.r.l.

Address of  
Assignee

of Via C. Olivetti, 2 - 20041 AGRATE BRIANZA - MILANO - ITALY

, its heirs, successors, legal representatives and assigns (hereinafter designated as the Assignee), the entire right, title and interest in the invention or improvements in

METHOD FOR ASSESSING THE EFFECTS OF PLASMA TREATMENTS OF WAFERS OF

Title of  
Invention

SEMICONDUCTOR MATERIAL

for which an application for Letters Patent of the United States of America has been executed by the undersigned

Date of Signing  
of Application

on 20 May, 1998

The undersigned agree(s) to execute all papers necessary in connection with this application and any continuing, divisional or reissue applications thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared concerning this application or continuation, division or reissue thereof or letters patent or reissue patent issued thereon and to cooperate with the Assignee in every way possible in obtaining and producing evidence and proceeding with such interference.

The undersigned agree(s) to execute all papers and documents and to perform any act which may be necessary in connection with claims or provisions of the International Convention for the Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee and to vest all rights therein hereby conveyed to said Assignee as fully and entirely as the same would have been held by the undersigned if this assignment and sale had not been made.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patents of the United States resulting from said application or any division or divisions or continuing or reissue applications thereof to the said Assignee, as Assignee of the entire interest, and hereby covenants that he has (they have) the full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

PATENT

REEL: 9292 FRAME: 0424

In witness whereof, executed by the undersigned on the date(s) opposite the undersigned name(s).

Date 7 May, 1998, Name of Inventor FIRTA E. GHIO  
X Emilio Ghio  
(signature)  
Date 18 May, 1998, Name of Inventor FIRTA S. ALBA  
X C. Alba  
(signature)  
Date 20 May, 1998, Name of Inventor FIRTA A. COLOGNESE  
X Andreo Colongese  
(signature)  
Date       , Name of Inventor FIRTA F. HAUGAIN  
X         
(signature)  
Date 18 May, 1998, Name of Inventor FIRTA G. RIVERA  
X         
(signature)

(This assignment should preferably be acknowledged before a United States Consul or Notary Public. If not, then the execution by the Inventor(s) should be witnessed by at least two other persons who sign here.)

FIRTA 2 TESTIMONI

Witness X

Witness X

Witness       

#### ACKNOWLEDGMENT

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_ }

On this \_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_, before me  
personally appeared the above-named \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

to me personally known to be the individual(s) who executed the foregoing assignment, who did  
acknowledge to me that he (they) executed the same of his (their) own free will for the purposes therein set  
forth.

Witness my hand and seal the day and year last above given.

(SEAL)

\_\_\_\_\_  
Official Signature

\_\_\_\_\_  
Official Title

PATENT