# AUG 2 4 1998 & MRD 8-19-98 PATENTS ONLY

09-11-1998

to the Honora de Commissioner of Patents and Trademarks: 100825679 ..... ....ginal

Name: Siemens Microelectronics Inc.  Street Address: 10950 North Tantau Avenue  Execution Date: 8/3/98, 8/18/98  City: Cupertino State: California Zip: 95014  Application number(s) or patent number(s): 09/105,644  Title of Application: CVD/PVD METHOD OF FILLING STRUCTURES USING DISCONTINUOUS CVD Al LINER  If this document is being filed together with a new application, the execution date of the application is: 8/3/98, 8/18/98  A. Patent Application No(s).  Docket No. HQ9-98-053  Additional numbers attached?Yes _X_No  Name and address of party to whom correspondence concerning document should be mailed:  Name: Elsa Keller  Street Address:  Siemens Corporation Intellectual Property Department 186 Wood Avenue South Iselin, New Jersey 08830  DO NOT USE THIS SPACE		Name of Conveying partry(ies): Mark Hoi	inkis, Stefan J. Weber
Execution Date: 8/3/98, 8/18/98  City: Cupertino State: California Zip: 95014  Application number(s) or patent number(s): 09/105,644  Title of Application: CVD/PVD METHOD OF FILLING STRUCTURES USING DISCONTINUOUS CVD Al LINER  If this document is being filed together with a new application, the execution date of the application is: 8/3/98, 8/18/98  A. Patent Application No(s).  Docket No. HQ9-98-0053  Additional numbers attached? Yes X No  6. Name and address of party to whom correspondence concerning document should be mailed:  Name: Elsa Keller  Street Address:  Siemens Corporation Intellectual Property Department 186 Wood Avenue South Iselin, New Jersey 08830  DO NOT USE THIS SPACE  7. Total fee (37 CFR 3.41): \$40.00 Enclosed X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 [Fr-371] (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  7. Statement of 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.  Steven Capella, Registration No. 33.086 Name of Person Signing Telephone No. (914) 894-3669  Total number of pages including cover sheet, attachments, and document: 5  I HEREBY CRETIFY THAT THIS CORRESPONDENCE IS BEING GEROSITED WITH THE ONLY STATES FOSTAL SERVICE AS FIRST CLASS MALL IN AN ENVILORE ADDRESSED TO. COMMISSIONER OF PARTERS AND TRADEMARKS, WASHINGTON, D.C. 20231. THE APPLICANT ADDRESSED TO: COMMISSIONER OF PARTERS AND TRADEMARKS, WASHINGTON, D.C. 20231. THE DATE of DEPOSIT AS THE FILLING DATE.  Date of Deposit: August 19, 1988  Name of Ferson Making Deposit: Robinan Zeno	3.	Nature of Conveyance: Assignment	Name: Siemens Microelectronics Inc.
4. Application number(s) or patent number(s): 09/105,644  Title of Application: CVD/PVD METHOD OF FILLING STRUCTURES USING DISCONTINUOUS CVD Al LINER  If this document is being filed together with a new application, the execution date of the application is: 8/3/98, 8/18/98  A. Patent Application No(s).  Additional numbers attached?		Execution Date: 8/3/98, 8/18/98	Address: 10950 North Tantau Avenue City: Cupertino State: California
INSER If this document is being filed together with a new application, the execution date of the application is: 8/3/98, 8/18/98  A. Patent Application No(s).  B. Patent No(s)  Docket No. HQ9-98-053  Additional numbers attached?Yes _X No  6. Total number of applications and patents involved: _1  EnclosedX Authorized to be charged to deposit account numbers attached?Yes _X No  BenclosedX Authorized to be charged to deposit account for deposit account numbers attached?Yes _X No  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  Provided Application of the page in formation is true and correct and any attached copy is a true copy of the original document.  Steven Capella, Registration No. 33,086	<b>.</b>	Application number(s) or patent number(	•
Additional numbers attached? Yes X No  5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Elsa Keller  Street Address:  Siemens Corporation Intellectual Property Department 186 Wood Avenue South Iselin, New Jersey 08830  DO NOT USE THIS SPACE  7. Total fee (37 CFR 3.41): \$40.00 Enclosed X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  7. Total fee (37 CFR 3.41): \$40.00 Enclosed X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  7. Total fee (37 CFR 3.41): \$40.00 Enclosed X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  Enclosed X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  Enclosed X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  Enclosed X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  Enclosed X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  Enclosed X Authorized to be charged to deposit account in the page in the pag		LINER If this document is being filed together	
6. Total number of applications and patents involved:1		A. Patent Application No(s). Docket No. HQ9-98-053	B. Patent No(s)
should be mailed:  Name: Elsa Keller  Street Address:  Siemens Corporation Intellectual Property Department 186 Wood Avenue South Iselin, New Jersey 08830  Statement of 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.  Steven Capella, Registration No. 33,086 Name of Person Signing Telephone No. (914) 894-3669  Total number of pages including cover sheet, attachments, and document:  Date of Deposit:  August 19, 1998 Name of Person Making Deposit:  Robinan Zeno  7. Total fee (37 CFR 3.41): \$40.00 Enclosed  X Authorized to be charged to deposit at count.  Authorized to be charged to deposit account.  Authorized to be charged to deposit account.  Steposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account.)  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account.)  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account.)  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account.)  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account.)  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of the original document.  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of the original document.  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of the original document.  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of the original document.  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of the original document.  8. Deposit account.  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of the original document.  9. Deposit A/C no.: 09-04		Additional number	rs attached?Yes _X_No
Should be mailed:  Name: Elsa Keller  Street Address:  Siemens Corporation Intellectual Property Department 186 Wood Avenue South Iselin, New Jersey 08830  DO NOT USE THIS SPACE  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page if paying by deposit account)  DO NOT USE THIS SPACE  9. Statement of 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.  Steven Capella, Registration No. 33,086 Name of Person Signing Telephone No. (914) 894-3669  Total number of pages including cover sheet, attachments, and document: 5  I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. TH APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.  Name of Person Making Deposit: Notinam Zeno			
Street Address:  Siemens Corporation Intellectual Property Department 186 Wood Avenue South Iselin, New Jersey 08830  DO NOT USE THIS SPACE  Statement of 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.  Steven Capella, Registration No. 33,086 Name of Person Signing Telephone No. (914) 894-3669  Total number of pages including cover sheet, attachments, and document:  I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. TH APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.  Name of Person Making Deposit: RobinAnn Zeno		should be mailed:	patents involved: <u>1</u>
DO NOT USE THIS SPACE  3. Statement of 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.  Steven Capella, Reqistration No. 33,086 Name of Person Signing Telephone No. (914) 894-3669  Total number of pages including cover sheet, attachments, and document: 5  I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. TH APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.  Date of Deposit:  August 19, 1998 Name of Person Making Deposit: RobinAnn Zeno		Street Address:  Siemens Corporation Intellectual Property Department 186 Wood Avenue South	Enclosed  X Authorized to be charged to deposit account  8. Deposit A/C no.: 09-0458 (FI-371) (Attach duplicate copy of this page
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.  Steven Capella, Registration No. 33,086 Name of Person Signing Telephone No. (914) 894-3669  Total number of pages including cover sheet, attachments, and document: 5  I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS PIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. TH APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.  Date of Deposit:  August 19, 1998 Name of Person Making Deposit: RobinAnn Zeno		DO NOT USF	
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.  Steven Capella, Registration No. 33,086 Name of Person Signing Telephone No. (914) 894-3669  Total number of pages including cover sheet, attachments, and document: 5  I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS PIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. TH APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.  Date of Deposit:  August 19, 1998 Name of Person Making Deposit: RobinAnn Zeno			
I HEREBY CERTIFY THAT THIS CORRESPONDENCE IS BEING DEPOSITED WITH THE UNITED STATES POSTAL SERVICE AS FIRST CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. TH APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.  Date of Deposit:  August 19, 1998  Name of Person Making Deposit: RobinAnn Zeno	;	To the best of my knowledge and belief, and any attached copy is a true copy of <pre>Steven Capella, Registration No. 33,086</pre> Name of Person Signing	the foregoing information is true and correct the original document.  Signature  8/19/98 Date
CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSIONER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. TH APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOSIT AS THE FILING DATE.  Date of Deposit:  August 19, 1998  Name of Person Making Deposit: RobinAnn Zeno		Total number of pages including cove	er sheet, attachments, and document: _5
	A D	CLASS MAIL IN AN ENVELOPE ADDRESSED TO: COMMISSION APPLICANT AND/OR ATTORNEY REQUEST THE DATE OF DEPOS  Date of Deposit:  August 19, 1998	NER OF PATENTS AND TRADEMARKS, WASHINGTON, D.C. 20231. TH
	j i		9/98

#### ASSIGNMENT

For good and valuable consideration, I, <u>Mark Hoinkis</u>, residing at 37 Spruce Ridge Drive, Fishkill, New York 12524, a citizen of USA,

Hereby sell, assign and transfer to Siemens Microelectronics, Inc., a corporation organized and existing under the laws of the state of Delaware, having its principal place of business at 10950 North Tantau Avenue, Cupertino, California, 95014, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled:

## CVD/PVD METHOD OF FILLING STRUCTURES USING DISCONTINUOUS CVD Al

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its

Docket No. HQ9-98-053

successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Mark Hoinkis

Mark Hoinkis

Date

Docket No. HQ9-98-053

#### ASSIGNMENT

For good and valuable consideration, I, <u>Stefan J. Weber</u>, residing at 26 Tamarack Circle, Fishkill, New York 12524, a citizen of Germany,

Hereby sell, assign and transfer to Siemens Microelectronics, Inc., a corporation organized and existing under the laws of the state of Delaware, having its principal place of business at 10950 North Tantau Avenue, Cupertino, California, 95014, hereinafter "Assignee", its successors, assigns and legal representatives, the entire right, title and interest in and for the United States and all foreign countries, in and to any and all improvements which are disclosed in the application for United States Letters Patent, which has been executed by the undersigned concurrently herewith, and is entitled:

### CVD/PVD METHOD OF FILLING STRUCTURES USING DISCONTINUOUS CVD ALLINER

and in and to said application and all divisional, continuing, substitute, renewal, reissue, and all other applications for Letters Patent which have been or shall be filed in the United States and all foreign countries on any of said improvements; and in and to all original and reissued patents which have been or shall be filed in the United States and all foreign countries on said improvements;

Agree that said Assignee may apply for and receive Letters Patent for said improvements in its own name; and that, when requested, without charge to but at the expense of said Assignee, its successors, assigns and legal representatives, to carry out in good faith the intent and purpose of this assignment, the undersigned will execute all divisional, continuing, substitute, renewal, reissue, and all other patent applications on any and all said improvements; execute all rightful oaths, assignments, powers of attorney and other papers; communicate to said Assignee, its

Docket No. HQ9-98-053

successors, assigns, and legal representatives, all facts known to the undersigned relating to said improvements and the history thereof; and generally do everything possible which said Assignee, its successors, assigns or legal representatives shall consider desirable for aiding in securing and maintaining proper patent protection for said improvements and for vesting title to said improvements and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns and legal representatives; and

Covenant with said Assignee, its successors, assigns and legal representatives that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by the undersigned, and that full right to convey the same as herein expressed is possessed by the undersigned.

Stefan J. Weber

Date

Docket No. HQ9-98-053

**RECORDED: 08/19/1998**