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Name (line 1)

Grimbergen, Michael N.

Execution Date
Month Day Year

06181998

Name (line 2)

Second Party

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Lill, Thorsten B.

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Applied Materials, Inc.

☐

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Address (line 2)

Mail Stop 2061

Address (line 3)

Santa Clara

CA

95054

City

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Area Code and Telephone Number **(415) 538-1555**

Name **Patent Counsel**

Address (line 1) **Applied Materials, Inc.**

Address (line 2) **P.O. Box 450A**

Address (line 3) **Santa Clara, CA 95052**

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Application Number(s) or Patent Number(s)

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Patent Application Number(s)

09062520

Patent Number(s)

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor.

Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number
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1

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Ashok K. Janah, Reg. No. 37,487

Name of Person Signing

Signature

Date

6/29/98

ASSIGNMENT FOR APPLICATION FOR PATENT

WHEREAS:

Names and Addresses of Inventors:

- | | | | |
|----|---------------------------------|---|-------------------------------|
| 1) | Michael N. Grimbergen | 2 | Thorsten B. Lill |
| | 767 Martinique Drive | | 800 East Fremont Avenue, #634 |
| | Redwood, City, California 94065 | | Sunnyvale, California 94087 |

(hereinafter referred to as Assignors), have invented a certain invention entitled:

"IMPROVED ENDPOINT DETECTION FOR SEMICONDUCTOR PROCESSES"

for which application for Letters Patent in the United States was filed on **April 17, 1998**, under Serial No. **09/062,520**; and

WHEREAS, Applied Materials, Inc., a corporation of the State of Delaware, having a place of business at 3050 Bowers Avenue, Santa Clara, California 95054 (hereinafter referred to as Assignee), is desirous of acquiring the entire right, title, and interest in and to said application (hereinafter referred to as Application), and the invention disclosed therein (hereinafter referred to as Invention), and in and to all embodiments of the Invention, heretofore conceived, made or discovered by said Assignors, and in and to any and all patents, inventor's certificates, and other forms of protection (hereinafter referred to as Patents) thereon granted in any and all countries and groups of countries.

NOW, THEREFORE, in consideration of good and valuable consideration acknowledged by said Assignors to have been received in full from said Assignee:

1. Said Assignors hereby sell, assign, transfer, and convey to Assignee the full and exclusive right, title, and interest (a) in and to said Application and said Invention; (b) in and to all rights to apply for patents on said Invention in any and all countries pursuant to the International Convention for the Protection of Industrial Property or otherwise; (c) in and to any and all Applications filed and any and all Patents granted on said Invention in any and all countries and groups of countries, including each and every Application filed and each and every Patent granted on any application which is a division, substitution, or continuation of said Application; and (d) in and to each and every reissue or extension of any of said Patents.

2. Said Assignors hereby covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title, and interest to said Invention herein conveyed in any and all countries and groups of countries. Such cooperation by said Assignors shall include prompt production of pertinent facts and documents, giving testimony, execution of petitions, oaths, specifications, declarations or other papers, and other assistance all to the extent deemed necessary or desirable by said Assignee (a) for perfecting in said

Assignee the right, title, and interest herein conveyed; (b) for prosecuting any of said applications; (c) for filing and prosecuting substitute, divisional, continuing or additional applications covering said Invention; (d) for filing and prosecuting applications for reissuance of any of said Patents; (e) for interference or other priority proceedings involving said Invention; and (f) for legal proceedings involving said Invention and any application therefor and any Patents granted thereon, including without limitation opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions, and court actions; provided, however, that the expense incurred by said Assignors in providing such cooperation shall be paid for by said Assignee.

3. The term and covenants of this agreement shall inure to the benefit of said Assignee, its successors, assigns and other legal representatives, and shall be binding upon said Assignors, their respective heirs, legal representatives, and assigns.

4. Said Assignors hereby warrant and represent that they have not entered and will not enter into any assignment, contract, or understanding in conflict herewith.

IN WITNESS WHEREOF, the said Assignors have executed and delivered this instrument to said Assignee on the dates indicated below.

1)	<u>6/18/98</u> , 1998	<u>Michael N. Grimbergen</u> Michael N. Grimbergen
2)	<u>6/20/98</u> , 1998	<u>Thorsten B. Lill</u> Thorsten B. Lill