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FORM PTO-1596

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

DOCKET NO.: 2328-055

101663795

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereto:

1. Name of conveying party(ies):

MRD 03.30.01

Gerard ENNIS

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

Name: Lam Research Corporation

Internal Address:

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

3. Nature of conveyance:

☒ Assignment☐ Merger☐ Security Agreement☐ Change of Name☐ OtherStreet Address: 4650 Cushing ParkwayCity: Fremont State/Country: CA ZIP: 94538-6470Execution Date: March, 2001Additional name(s) & address(es) attached? ☐ Yes ☒ No

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

If the document is being filed together with a new application, the execution date of the application is: March, 2001

A. Patent Application No(s).

B. Patent No(s).

09 821 026

Additional numbers attached? ☐ Yes ☒ No

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

Name: LOWE HAUPTMAN GILMAN & BERNER

Internal Address:

Street Address: 1700 Diagonal Road, Suite 310City: Alexandria State: VA ZIP: 223146. Total number of applications and patents involved: 17. Total fee (37 CFR 3.41)..... \$40.00☒ Enclosed☐ Authorized to be charged to deposit account

8. Deposit account number:

07-1337 (if necessary)

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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.*Allan M. Lowe, Reg. No. 19,641

Name and Registration No. of Person Signing

Signature

3/30/01

Date

Total number of pages comprising cover sheet: 1

CMB No. 0851-0011 (exp. 4/94)

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 PATENT
 REEL: 011665 FRAME: 0480

Docket No.: 2328-055

ASSIGNMENT

WHEREAS I, Gerard ENNIS of Prosperous, Naas, Co. Kildare, Ireland, have made a certain new and useful invention as set forth in an application for United States Letters Patent, entitled **VACUUM PLASMA PROCESSOR AND METHOD OF OPERATING SAME**,

executed by me on the date of execution of this document, as shown below, and filed concurrently herewith;

AND WHEREAS, Lam Research Corporation, a corporation of the State of Delaware and having an address of 4650 Cushing Parkway, Fremont, CA 94538-6470, is desirous of acquiring the entire right, title and interest in and to said invention and in and to any and all Letters Patent of the United States and foreign countries which may be obtained therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt for and sufficiency of which is hereby acknowledged, I do hereby sell, assign, transfer and set over unto Lam Research Corporation, its legal representatives, successors, and assigns, the entire right, title and interest in and to said invention as set forth in the above-mentioned application, including any continuations, continuations-in-part, divisions, reissues, re-examinations or extensions thereof, and in and to any and all patents of the United States and foreign countries which may be issued for said invention;

UPON SAID CONSIDERATIONS, I hereby agree with the said assignee that I will not execute any writing or do any act whatsoever conflicting with these presents, and that I will, at any time upon request, without further or additional consideration but at the expense of said assignee, execute such additional assignments and other writings and do such additional acts as said assignee may deem necessary or desirable to perfect the assignee's enjoyment of this grant, and render all necessary assistance in making application for and obtaining original, divisional, continuations, continuations-in-part, reexamined, reissued, or extended Letters Patent of the United States or of any and all foreign countries on said invention, and in enforcing any rights or choses in action accruing as a result of such applications or patents, by giving testimony in any proceedings or transactions involving such applications or patents, and by executing preliminary statements and other affidavits, it being understood that the foregoing covenant and agreement shall bind, and inure to the benefit of the assigns and legal representatives of assignor and assignee;

AND I request the Commissioner of Patents and Trademarks to issue any Letters Patent of the United States which may be issued for said invention to said Lam Research Corporation, its legal representatives, successors or assigns, as the sole owner of the entire right, title and interest in and to said patent and the invention covered thereby.

Fr 30th MARCH 01
Date

GERARD ENNIS
Gerard ENNIS