Form PTO-1595 U.S. Department of Commerce Patent and Trademark Office 6-93 101237464 OMB No. 0651-0011 (exp. 4/94 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof. 2. Name and address of receiving party(ies): 1. Name of conveying party(ies): Name: LSI Logic Corporation Newell E. Chiesl, III Street Address: 1551 McCarthy Boulevard Gregory L. Burns Theodore C. Moore City: Milpitas, California ZIP 95035 Additional name(s) of conveying party(ies) attached? [] Yes [X] No Country: United States of America Additional name(s) & address(es) attached? [] Yes [X] No 3. Nature of Conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name [] Other Execution Date(s): 12/16/99 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) B. Patent No(s) Additional numbers attached? [] Yes [X] No Title of Invention: Method and Apparatus for Detecting Presence of Residual Polishing Slurry Subsequent to Polishing of a Semiconductor Wafer 09/467622 LSI Logic Docket No.: 99-288 Our Docket No.: 1003-0544 6. Total number of applications and patents involved 5. Name and address of party to whom correspondence concerning document should be mailed: Name: Gary E. Ross 7. Total fee (37 CFR §3.41): .\$ 40.00 Internal Address: LSI Logic Corporation [X] Enclosed Intellectual Property Department [] Authorized to be charged to deposit account M/S D-106 Street Address: 1551 McCarthy Boulevard 8. Deposit Account number: City: State: Zip: Milptas, California 95035 (Attach duplicate copy of this page if paying by deposit account) 01/04/2000 JSHABAZZ 00000149 09467622 DO NOT USE THIS SPACE AA AA AD 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. Paul J. Maginot Name of Person Signing Registration No. 34,984 total number of pages including cover sheet, attachments and document 2

> Mail documents to be recorded with required cover sheet information to: Commissioner of Patents and Trademarks, Box Assignments Washington, D.C. 20231

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PATENT Docket No.: 99-288

ASSIGNMENT

which has been executed by the undersigned concurrently herewith,

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I/WE, the undersigned, Newell E. Chiesl III, Gregory L. Burns, and Theodore C. Moore, do hereby sell, assign, and transfer to: LSI LOGIC CORPORATION, a corporation of Delaware, having a place of business at 1551 McCarthy Boulevard, Milpitas, California 95035, ("Assignee"), its successors, assigns, and legal representatives, the entire right, title and interest for the United States and all foreign countries, in and to any and all inventions and improvements which are disclosed in the application for United States Letters Patent,

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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 issued in the United States and all foreign countries on said improvements; and in and to all

rights of priority resulting from the filing of said United States application; and

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 successors, assigns, and 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 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 to 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.

Date: 12-16-1282 , 1999 Witness: / Henry Newell E. Chiesl III Date: 12-16-1999, 1999 Witness: Gregor Witness: 99_, 1999 Witness: / Longe Theodore C. Moore

Assignment

RECORDED: 12/20/1999

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