

02-08-2000

FORM PTO-1595

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PATENTS ONLY

HEET

U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

To the Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):
Kristian E. Johnsgard; Brad S. Mattson; James
McDiarmid; Vladimir J. Zeitlin
Additional name(s) of conveying party(ies) attached?
 Yes No

2. Name and address of receiving party(ies):
Mattson Technology, Inc.
3550 West Warren Avenue
Fremont, CA 94538

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other
Execution Date: 12/18/99; 1/13/99; 1/13/99; 4/20/99

Additional name(s) & address(es) attached?
 Yes No

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): 08/876,788

B. Patent No.(s):

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Michael J. Murphy
Internal Address: SR 1-2
Wilson Sonsini Goodrich & Rosati
650 Page Mill Road
Palo Alto, CA 94304-1050

6. Total number of applications and patents involved: [1]

7. Total fee (37 CFR 3.41) \$40.00
 Enclosed
 Authorized to be charged to deposit account

8. Deposit account number: 23-2415
(Attorney Docket No.: 14912.725)

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.

Michael J. Murphy
Name of Person Signing

12/28/1999
Date

Total number of pages including cover sheet, attachments, and document: [5]

02/07/2000 TTM11 00000226 232415 08876788

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PATENT
REEL: 010523 FRAME: 0163

ASSIGNMENT

WHEREAS, the undersigned,

JOHNSGARD, Kristian E.
13560 Indian Rock Way
Los Gatos, California 95030

Citizenship: U.S.A.

and

MATTSON, Brad S.
19251 Black Road
Los Gatos, California 95030

Citizenship: U.S.A.

MCDIARMID, James
4210 Remillard Court
Pleasanton, California 94566

Citizenship: U.S.A.

and

ZEITLIN, Vladimir J.
146 Muir Avenue
Santa Clara, California 95051

Citizenship: U.S.A.

hereinafter termed "Inventors", have invented certain new and useful improvements in

System and Method for Thermal Processing of a Semiconductor Substrate

and have executed a provisional application for a United States patent disclosing and identifying the invention filed June 16, 1997, and assigned Application No. 08/876,788; and

WHEREAS, Mattson Technology, Inc., a corporation of the State of California, having a place of business at 3550 West Warren Avenue, Fremont, California 94538, (hereinafter termed "Assignee"), is desirous of acquiring the entire right, title and interest in and to said application and the invention disclosed therein, and in and to all embodiments of the invention, heretofore conceived, made or discovered jointly or severally by said Inventors (all collectively hereinafter termed "said invention"), and in and to any and all patents, inventor's certificates and other forms of protection (hereinafter termed "patents") thereon granted in the United States and foreign countries.

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

1. Said Inventors do hereby sell, assign, transfer and convey unto said Assignee the entire right, title and interest (a) in and to said application and said invention; (b) in and to all rights to apply for foreign patents on said invention 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 the United States or any foreign country, including each and every application filed and each and every patent granted on any application which is a divisional,

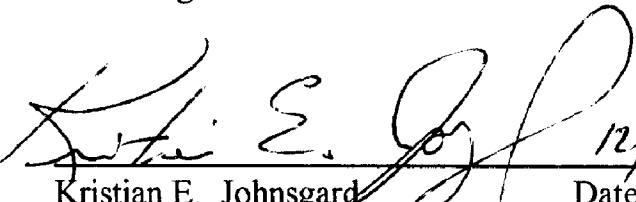

substitution, continuation, or continuation-in-part of any of said applications; and (d) in and to each and every reissue or extensions of any of said patents.



2. Said Inventors hereby jointly and severally covenant and agree to cooperate with said Assignee to enable said Assignee to enjoy to the fullest extent the right, title and interest herein conveyed in the United States and foreign countries. Such cooperation by said Inventors shall include prompt production of pertinent facts and documents, giving of 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 said patents; (e) for interference or other priority proceedings involving said invention; and (f) for legal proceedings involving said invention and any applications therefor and any patents granted thereon, including without limitation reissues and reexaminations, opposition proceedings, cancellation proceedings, priority contests, public use proceedings, infringement actions and court actions; provided, however, that the expense incurred by said Inventors in providing such cooperation shall be paid for by said Assignee.

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

4. Said Inventors hereby jointly and severally 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 Inventors have executed and delivered this instrument to said Assignee as of the dates written below.

	<u>12/18/98</u>		<u>1/13/99</u>
Kristian E. Johnsgard	Date	James McDiarmid	Date

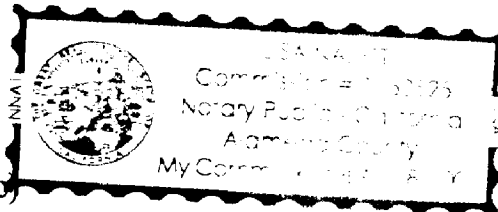
	<u>04.21.99</u>		<u>04.21.99</u>
Brad S. Mattson	Date	Vladimir J. Zeitlin	Date

State of California CA)
)
County of Santa Clara)
~~County of Alameda~~

On 12/18/98, before me, LISA NAJETT, personally appeared
Kristian E. Johnson

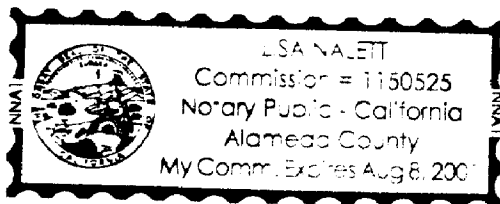
personally known to me or proved to me on the basis of satisfactory evidence, to be the persons whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/they executed the same in his/their authorized capacity, and that by his/their signature on the instrument the person or the entity upon behalf of which he/they acted, executed the instrument.

WITNESS my hand and official seal.



Lisa Najett (Notary Public)

State of California CA)
Alameda)
County of ~~Santa Clara~~



On 1/13/99, before me, Lisa Najett, Notary personally appeared
James McDiarmid

personally known to me or proved to me on the basis of satisfactory evidence, to be the persons whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/they executed the same in his/their authorized capacity, and that by his/their signature on the instrument the person or the entity upon behalf of which he/they acted, executed the instrument.

WITNESS my hand and official seal.

Lisa Najett (Notary Public)

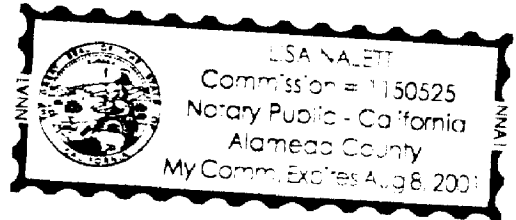
State of California CA)
Alameda)
County of Santa Clara)

On 1/30/99, before me, Lisa Nalett, personally appeared
Brad S Mattson

personally known to me or proved to me on the basis of satisfactory evidence, to be the persons whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/they executed the same in his/their authorized capacity, and that by his/their signature on the instrument the person or the entity upon behalf of which he/they acted, executed the instrument.

WITNESS my hand and official seal.

Lisa Nalett (Notary Public)



State of California)
)
County of Santa Clara)

On _____, before me, _____, personally appeared

personally known to me or proved to me on the basis of satisfactory evidence, to be the persons whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/they executed the same in his/their authorized capacity, and that by his/their signature on the instrument the person or the entity upon behalf of which he/they acted, executed the instrument.

WITNESS my hand and official seal.

_____ (Notary Public)