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To the Honorable Commissioner of Patents and Tra.

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. documents or copy thereof.

1. Name of conveying party(ies): Steffen Howitz, Thomas Wegener, Mario Burger and Thomas Gehring

Additional name(s) of conveying party(ies) attached? [] Yes [X] No

2. Name and address of receiving party(ies)

Name: Gesim Gesellschaft fur Silizium-Mikrosysteme MBH

Address: Beutener Landstrasse 45, D-01474 Rosendorf, Germany

City: _ State: _ Zip: _

Additional name(s) and address(es) attached? [] Yes [X] No

3. Nature of conveyance:

[X] Assignment [] Merger [] Security Agreement [] Change of Name

[] Other

Execution Date: June 8, 1999

09/330121

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 June 8, 1999

A. Patent Application No.(s)

B. Patent No.(s)

Additional numbers attached?

[] Yes [X] No

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

Name: Ronald B. Hildreth

BAKER & BOTTS, L.L.P.

Address: 30 Rockefeller Plaza - 44 Fl.

City: New York State: NY Zip: 10112

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$ 40.00

[X] Enclosed [] Authorized to be charged to deposit account

8. Deposit account number:

02-4377

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9. Statement and signature

To the best of my knowledge and belief, the foregoing instrumentation is true and correct and any attached copy is a true copy of the original document.

Ronald B. Hildreth, PTO#19,498

Name of Person Signing

Signature of Ronald B. Hildreth

Signature

June 10, 1999

Date

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

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FROM BAKER&BOTTS

(THU) 6. 3. 99 17:37/ST. 17:22/NO. 4860225590 P 23

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ASSIGNMENT

WHEREAS, WE, STEFFEN HOWITZ, THOMAS WEGENER, MARIO BÜRGER AND THOMAS GEHRING citizens of the Germany, whose post office addresses are Wormser Strasse 58, D-01309 Dresden; Schulstrasse 98, D-16816 Neuruppin; Liebetaler Strasse 5, D-01796 Pirna; and Gartenstrasse 16, D-02730 Ebersbach, respectively, have made an invention for which we are about to make application for Letters Patent of the United States entitled "MICROEJECTOR PUMP"; and

WHEREAS, Gesim Gesellschaft für Silizium-Mikrosysteme MBH (hereinafter "GESIM"), a corporation organized and existing under the laws of Germany, and having an office for the transaction of business at Russendozer Technologiezentrum, Beutener Landstrasse 45, D01474 Rosendorf, Germany, is desirous of acquiring the entire right, title and interest in and to said invention and any improvements thereon, and in and to the said application for Letters Patent therefor, and any Letters Patent which may be obtained therefor;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN, BE IT KNOWN, that WE, the said STEFFEN HOWITZ, THOMAS WEGENER, MARIO BÜRGER AND THOMAS GEHRING, for and in consideration of the sum of One Dollar (\$1.00), lawful money of the United States, to us in hand paid by said GESIM, and other valuable considerations unto us moving from said GESIM, at or before the sealing and delivery of these presents, the receipt of which is hereby acknowledged, have sold, assigned, transferred and conveyed and by these presents do sell, assign, transfer and convey, unto said GESIM its successors and assigns, the entire right, title and interest in and to the said invention for which we are about to make application for Letters Patent of the United States entitled "MICROEJECTOR PUMP", executed concurrently herewith, and any and all improvements thereon, and in and to said application and any division, continuation or continuation-in-part thereof, and in and to any Letters Patent of the United States which may be issued on any of said applications, and any reissues thereof, and in and to any and all applications for Letters Patent filed in foreign countries for said invention or improvements including all priority rights, and any and all Letters Patent which may be granted in foreign countries therefor, TO HAVE AND TO HOLD THE SAME to the full end of the term or terms for which any and all said Letters Patent may be granted;

AND WE, the said STEFFEN HOWITZ, THOMAS WEGENER, MARIO BÜRGER AND THOMAS GEHRING, do hereby authorize and request the Commissioner of Patents and Trademarks to issue the said Letters Patent of the United States to said GESIM, as the assignee of the entire right, title and interest in and to the same, for the sole use and benefit of said GESIM, its successors and assigns;

AND WE, the said STEFFEN HOWITZ, THOMAS WEGENER, MARIO BÜRGER AND THOMAS GEHRING, for the considerations aforesaid, do hereby covenant and agree

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- 1 -

FROM BAKER&BOTT

(THU) 6. 3' 99 17:38/ST. 17:22/NO. 4860225590 P 24

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to and with said GESIM, its successors and assigns, that we have the full power to make this assignment, and that the rights assigned are not encumbered by any grant, license or right heretofore given, except for any rights conferred to the United States GESIM and that we, our executors or administrators, shall and will do all lawful acts and things and make, execute and deliver without further compensation, any and all other instruments in writing, further applications, papers, affidavits, powers of attorney, assignments, and other documents which, in the opinion of counsel for said GESIM, its successors and assigns, may be required or necessary more effectively to secure to and vest in said GESIM, its successors and assigns, the entire right, title and interest in and to said invention and improvements, applications, Letters Patent, rights, titles, benefits, privileges, and advantages hereby sold, assigned, transferred and conveyed, and that we will sign any applications for reissue which may be desired by the owner of the patent or patents which may be issued for the said invention or improvements.

IN WITNESS WHEREOF, WE, the said STEFFEN HOWITZ, THOMAS WEGENER, MARIO BÜRGER and THOMAS GEHRING, have hereunto set our hands and seals on the date below written.

8.6.99
Date

S. Howitz
STEFFEN HOWITZ

8.6.99
Date

M. Bürger
Witness 1

8.6.99
Date

T. Gering
Witness 2

FROM BAKER&BOTTTS

(THU) 6. 3' 99 17:38/ST. 17.22/NO. 4860225590 P 25

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8.6.99
Date

Thomas Wegener
THOMAS WEGENER

8.6.99
Date

St. Volk
Witness 1

8.6.99
Date

St. Volk
Witness 2

8.6.99
Date

Mario Bürger
MARIO BÜRGER

8.6.99
Date

St. Volk
Witness 1

8.6.99
Date

St. Volk
Witness 2

A32558 066340.0104

08.06.99
Date

Dr. Gelf.
THOMAS GEHRING

8.6.99
Date

St. V. L.
Witness 1

8.6.99
Date

St. V. L.
Witness 2

Date

Date

Witness 1

Date

Witness 2