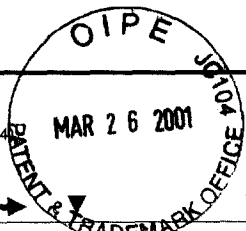


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04-12-2001



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Docket No.: 429981/0027

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U.S. DEPARTMENT OF COMMERCE

Patent and Trademark Office

3-76-01

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

1. Name of conveying party(ies):

Kadhair Al-hemyari

Additional names(s) of conveying party(ies) ☐ Yes ☒ No

3. Nature of conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other

Execution Date: March 19, 2001

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

Name: Nanovation Technologies, Inc.

Internal Address: _____

Street Address: 47050 Five Mile Road

City: Northville State: MI ZIP: 48167

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

4. Application number(s) or registration numbers(s):

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

A. Patent Application No.(s)

09/718,663, filed on
November 22, 2000

B. Patent No.(s)

I hereby certify that this correspondence is being deposited
with the United States Postal Service as first class mail in an
envelope addressed to: Assistant Commissioner for Patents,
Washington, DC 20231 on 3/22/01

(Date of Deposit)

DAVID L. SCHAEFFER

Name of Attorney/For Applicant

David L. Schaeffer 3/22/01

Signature

Date of Signature

Additional numbers attached? ☐ Yes ☒ No

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

Name: Steven B. Pokotilow

Internal Address: Stroock & Stroock & Lavan LLP

Street Address: 180 Maiden Lane

City: New York State: NY ZIP: 10038

6. Total number of applications and patents involved: 1

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

- ☐ Enclosed - Any excess or insufficiency should be credited or debited to deposit account
☒ Authorized to be charged to deposit account

8. Deposit account number:

19-4709

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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.

David L. Schaeffer, Reg. No. 32,716

Name of Person Signing

Signature

March 22, 2001

Date

Total number of pages including cover sheet, attachments, and document: 2

PATENT

REEL: 011657 FRAME: 0637

ASSIGNMENT

WHEREAS, I, **Kadhair Al-hemyari**, a citizen of Great Britain, residing at 17370 Hidden Lake Way, Northville, Michigan 48167, hereinafter referred to as **ASSIGNOR**, have invented certain new and useful improvements in **DIGITAL OPTICAL SWITCH USING AN INTEGRATED MACH-ZEHNDER INTERFEROMETER HAVING A MOVABLE PHASE SHIFTER** for which I have filed Application No. 09/718,663 for Letters Patent of the United States on November 22, 2000;

WHEREAS, **Nanovation Technologies, Inc.**, a corporation having a principal place of business at 47050 Five Mile Road, Northville, Michigan 48167, hereinafter referred to as **ASSIGNEE**, is desirous of obtaining the entire right, title and interest in, to and under the improvements and the application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to me in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, I, the **ASSIGNOR**, have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the **ASSIGNEE**, its respective successors, legal representatives and assigns, the entire right, title and interest in, to and under the improvements, and the application and all divisions, renewals, continuations and continuations-in-part thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for the improvements in any country or countries foreign to the United States, and all Letters Patent which may be granted for the improvements in any country or countries foreign to the United States and all extensions, renewals and reissues thereof; and I hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for the improvements to the **ASSIGNEE**, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND I HEREBY covenant that I have full right to convey the entire interest herein assigned, and that I have not executed, and will not execute, any agreement in conflict herewith.

AND I HEREBY further covenant and agree that I will communicate to the **ASSIGNEE**, its successors, legal representatives and assigns, any facts known to me respecting the improvements, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the **ASSIGNEE**, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for the improvements in all countries.

IN TESTIMONY WHEREOF, I have set my hand and seal to this Assignment.

3/19/, 2001

Kadhair Al-hemyari

KADHAIR AL-HEMYARI

State of MICHIGAN)
) ss.:
County of WAYNE)

On this 19th day of MARCH, 2001 before me, a Notary Public in and for the State and County aforesaid, personally appeared **KADHAIR AL-HEMYARI**, to be known and known to me to be the person of that name, who signed and sealed the foregoing instrument, and he acknowledged the same to be his free act and deed.

Marie Burke
Notary Public

MARIE BURKE
Notary Public, Wayne County, MI
My Commission Expires Jan 18, 2004