

10/489587

3/12/04

A/ 581-40

DT12 Rec'd PCT/PTO 12 MAR 2004

Form PTO-1595 (Rev. 10/02)

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U.S. DEPARTMENT OF COMMERCE U.S. Patent and Trademark Office

OMB No. 0651-0027 (exp. 6/30/2005)

Tab settings

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

1. Name of conveying party(ies):

J. Karl NIERMEYER Marc LAVERDIERE Ralph J. STANKOWSKI Joseph E. SMITH

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

2. Name and address of receiving party(ies)

Name: Mykrolis Corporation

Internal Address: 06-07-2004



102759363

Street Address: 129 Concord Road

City: Billerica State: MA Zip: 01821-4600

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

3. Nature of conveyance:

- Assignment Merger Security Agreement Change of Name Other

3/9/04, 3/9/04, 3/9/04 and 3/12/04 respectively

Execution Date:

4. Application number(s) or patent number(s): 101489587

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

A. Patent Application No.(s) Express Mail No. EV113112272US

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Timothy J. King Internal Address: Mykrolis Corporation

03/18/2004 LLANDGRA 00000063 10489587 03 FC:8021 40.00 DA

Street Address: 129 Concord Road

City: Billerica State: MA Zip: 01821-4600

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:

501-908

DO NOT USE THIS SPACE

9. Signature.

Timothy J. King Name of Person Signing Signature

03/12/04 Date

Total number of pages including cover sheet, attachments, and documents: 14

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

PATENT ASSIGNMENT

WHEREAS, We, J Karl Niermeyer, residing at 52 Groton Road, Tyngsboro, Massachusetts 01879, Marc Laverdiere, residing at 149 Broadway, Wakefield, MA 01880, Ralph J. Stankowski, residing at 18 Boutwell Road, Westford, Massachusetts 01886 and Joseph E. Smith, residing at 30 Penni Lane, North Andover, Massachusetts 01845, and all being citizens of the United States of America and, have made an invention which invention is claimed and described in an application for Letters Patent of the United States of American entitled "SEPARATION MODULE", filed herewith under Express Mail No.: EV113112272US in the U.S. Patent and Trademark Office, and

WHEREAS, Mykrolis Corporation having a place of business at 129 Concord Road, Billerica, Massachusetts 0821, a corporation organized and existing under the laws of the state of Delaware (hereinafter "Mykrolis"), is desirous of acquiring the entire right, title and interest in and to the invention and in and to any Letters Patent that may be granted therefor;

NOW, THEREFORE, for good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned party by these presents do hereby sell, assign and transfer unto Mykrolis, its successors and assigns the full, exclusive and worldwide right to the said invention including the United States of America, and the entire right, title and interest in, to and under any Letters Patent which may be granted on said invention, or any part thereof, or on any continuation, division or reissue thereof in the Unites States of America, in the territorial possessions of the United States of America and in any country foreign to the United States of America, the same to be held and enjoyed by Mykrolis, its successors and assigns as fully and entirely as the same would have been held by me, had this assignment not be made; and

We hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America and respective Patent Office officials in any country foreign to the United States of America to issue said Letters Patent to Mykrolis as the assignee of my entire right, title and interest in, to and under the same, and we hereby further authorize Mykrolis to apply for Letters Patent in my name or its own name, as it in its sole discretion sees fit, utilizing any benefits which may exist under any International Agreement, in any country foreign tot he United States of America; and

We do hereby agree for myself and for my heirs, executors and administrators to execute any lawful documents and to testify as to any material fact or thing which Mykrolis, its successors and assigns may deem necessary in order to secure unto itself, its successors and assigns the full right, title and interest in and to and the full enjoyment of said invention or any part thereof and any Letters Patent, the same to be done without further consideration.

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this ___ day of _____, 2004.

Ralph Stankowski

State of Massachusetts)
) ss
County of Middlesex)

On this day and year aforesaid, before me personally appeared Ralph STANKOWSKI, known to me to be the person described in and the person who executed the foregoing instrument of assignment and he did acknowledge the same to be his free act and deed.

Notary Public
My commissioner expires

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this ___ day of _____, 2004.

Joseph E. Smith

State of Massachusetts)
) ss
County of Middlesex)

On this day and year aforesaid, before me personally appeared Joseph E. Smith, known to me to be the person described in and the person who executed the foregoing instrument of assignment and he did acknowledge the same to be his free act and deed.

Noreen Buckley
Notary Public
My commissioner expires November 6, 2009

PATENT ASSIGNMENT

WHEREAS, We, and Karl J. Niermeyer, residing at 52 Groton Road, Tyngsboro, Massachusetts 01879, Marc Laverdiere, residing at 149 Broadway, Wakefield, MA 01880, Ralph J. Stankowski, residing at 18 Boutwell Road, Westford, Massachusetts 01886 and Joseph E. Smith, residing at 30 Penni Lane, North Andover, Massachusetts 01845, and all being citizens of the United States of America and, have made an invention which invention is claimed and described in an application for Letters Patent of the United States of American entitled "SEPARATION MODULE", filed herewith under Express Mail No.: EV113112272US in the U.S. Patent and Trademark Office, and

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Ralph Stankowski

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) ss
County of Middlesex)

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Notary Public
My commissioner expires

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Joseph E. Smith

State of Massachusetts)
) ss
County of Middlesex)

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Noreen Buckley
Notary Public
My commissioner expires November 6, 2009

PATENT ASSIGNMENT

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IN WITNESS WHEREOF, I hereby set my hand and affix my seal this ___ day of _____, 2004.

Karl J. Niermeyer

State of Massachusetts)
) ss
County of Middlesex)

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Noreen Buckley
Notary Public
My commissioner expires November 6, 2009

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this ___ day of _____, 2004.

Marc Laverdiere

State of Massachusetts)
) ss
County of Middlesex)

On this day and year aforesaid, before me personally appeared Marc Laverdiere, known to me to be the person described in and the person who executed the foregoing instrument of assignment and he did acknowledge the same to be his free act and deed.

Noreen Buckley
Notary Public
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PATENT ASSIGNMENT

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We do hereby agree for myself and for my heirs, executors and administrators to execute any lawful documents and to testify as to any material fact or thing which Mykrolis, its successors and assigns may deem necessary in order to secure unto itself, its successors and assigns the full right, title and interest in and to and the full enjoyment of said invention or any part thereof and any Letters Patent, the same to be done without further consideration.

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this ___ day of _____, 2004.

Karl J. Niermeyer

State of Massachusetts)
) ss
County of Middlesex)

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Noreen Buckley
Notary Public
My commissioner expires November 6, 2009

IN WITNESS WHEREOF, I hereby set my hand and affix my seal this ___ day of _____, 2004.

Marc Laverdiere

State of Massachusetts)
) ss
County of Middlesex)

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Noreen Buckley
Notary Public
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