

02-08-2006

RECORDATION F
PATE.

103173895

To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies)

Joseph Trent Bogard

2. Name and address of receiving party(ies)

Name: Arvin Technologies, Inc.

Internal Address: _____

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

3. Nature of conveyance/Execution Date(s):

Execution Date(s) 9/2/05

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Joint Research Agreement
☐ Government Interest Assignment
☐ Executive Order 9424, Confirmatory License
☐ Other _____

Street Address: 2135 West Maple Road

City: Troy

State: Michigan

Country: _____ Zip: 48084

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

4. Application or patent number(s):

☐ This document is being filed together with a new application.

A. Patent Application No.(s)

11/219,150

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Shawn D. Bauer

Internal Address: BARNES & THORNBURG LLP

Street Address: 11 S. Meridian Street

City: Indianapolis

State: IN Zip: 46204

Phone Number: (317) 231-7313

Fax Number: (317) 231-7433

Email Address: kmays@btlaw.com

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00

- ☐ Authorized to be charged by credit card
☒ Authorized to be charged to deposit account
☐ Enclosed
☐ None required (government interest not affecting title)

8. Payment Information

a. Credit Card Last 4 Numbers _____

Expiration Date _____

b. Deposit Account Number 10-0435

Authorized User Name Shawn D. Bauer

9. Signature: _____

Signature

Date

Shawn D. Bauer

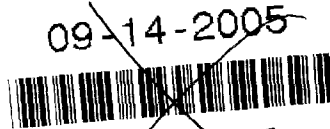
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Documents to be recorded (including cover sheet) should be faxed to (703) 306-5995, or mailed to:
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PATENT
REEL: 017532 FRAME: 0074



RECORDATION FOR
PATENT

103080760

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Joseph Trent Bogard

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3. Nature of conveyance/Execution Date(s):

Execution Date(s) Sept. 2, 2005

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
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City: Indianapolis

State: Indiana Zip: 46204

Phone Number: 317-231-7313

Fax Number: 317-231-7433

Email Address: SBAUER@btlaw.com

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b. Deposit Account Number 10-0435

Authorized User Name Kevin D. Bailey

9. Signature: Kevin D. Bailey

Signature

Sept. 2, 2005

Date

Kevin D. Bailey

Name of Person Signing

Total number of pages including cover

3

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ASSIGNMENT TO BUSINESS CONCERN

Attorney Docket No.: 9501-78534
Client Reference No.: 05ARM0307

A S S I G N M E N T

In consideration of the sum of One Dollar (\$1.00) and other good and valuable consideration paid to each of the undersigned,

Name(s)
of Inventor(s)Joseph Trent Bogard

and,

maker(s) of an invention which is the subject of an application for Letters Patent of the United States ("Application") entitled

Title of
ApplicationEXHAUST SYSTEM WITH EXTERNAL HELMHOLTZ RESONATOR AND
ASSOCIATED METHOD

the undersigned hereby sell(s), assign(s), and set(s) over to

Name of
AssigneeArvin Technologies, Inc.Address of
principal
place of
business2135 West Maple RoadTroy, MI 48084Insert State of
Incorporation
(if applicable) or
"Not Applicable"a corporation of Michigan

(hereinafter designated as the Assignee) their entire right, title, and interest in, to, and under the Application, including all priority rights for other countries arising therefrom, all inventions therein disclosed, and any and all Letters Patent of the United States and of all other countries, including Canada, which may be granted for such inventions, or any of them, all such inventions and all rights in such Application and Letters Patent to be held and enjoyed by Assignee for its own use and enjoyment to the full end of the term or terms for which such Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by them had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) in the United States and foreign countries and any continuing, divisional, or reissue applications thereof, and any reexamination of any of such applications, and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference which may be declared or litigation concerning the application(s) or continuation, division, reissue, or reexamination thereof, and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or litigation.

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

ASSIGNMENT TO BUSINESS CONCERN

The undersigned agree(s) to do all other acts which, in the opinion of Assignee, may be necessary or desirable to secure the grant of Letters Patent to Assignee or its nominees, in the United States and in all other countries where Assignee may desire to have such inventions, or any of them, patented, with specifications and claims in such form as shall be approved by Assignee and to vest and confirm in Assignee or its nominees the full and complete legal and equitable title to all such Letters Patent.

The undersigned hereby authorize(s) and request(s) the Commissioner of Patents to issue any and all Letters Patent of the United States resulting from said application(s) or any division or divisions or continuing or reissue applications thereof, and any reexamination of any of such applications, to the said Assignee, as Assignee of the entire interest, and hereby covenants that the undersigned has full right to convey the interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the attorney of record the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Columbus, IN

IN WITNESS WHEREOF, I have executed this assignment at
this 2nd day of September, 2005.

Pamela A. Kacher

Witness

Joseph Trent Bogard
Inventor (Signature) 9/2/05Joseph Trent Bogard
Inventor (Printed Name)

U.S. Application No. _____
Filing Date _____