

FORM PTO-1595 (Modified)
 (Rev. 08-05)
 OMB No. 0651-0027 (exp 6/30/2008)
 P08/REV05

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
 Patent and Trademark Office

PATENTS ONLY

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

1. Name of conveying party(ies):
Hans A. Troemel Jr.

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

2. Name and address of receiving party(ies):
 Name: Panasonic Automotive Systems Company of
America, Division of Panasonic
Corporation of North America

Street Address: 776 Highway 74 South

City: Peachtree City

State: GA

Country: US ZIP: 30269

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

3. Nature of conveyance/Execution Date(s):
 Execution Date(s): 12/20/2008

Assignment Merger
 Security Agreement Change of Name
 Joint Research Agreement
 Government Interest Assignment
 Executive Order 9424, Confirmatory License
 Other Corrected Recordation of Assignment

4. Application or patent numbers(s):
 A. Patent Application No.(s)
11/230,408

Additional numbers attached? Yes No

This document is being filed together with a new application.
 B. Patent No.(s)

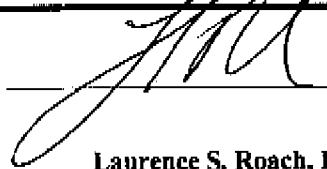
5. Name and address to whom correspondence concerning document should be mailed:
 Name: Laurence S. Roach, Esq.
 Internal Address: Panasonic Automotive Systems
Company of America, Division of Panasonic Corporatio
 Street Address: 776 Highway 74 South
 City: Peachtree City
 State: GA ZIP: 30269
 Phone Number: 770.302.1519
 Fax Number: 770.631.5824
 Email Address: _____

6. Total number of applications and patents involved: one (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 1152
 Expiration Date 07/2010
 b. Deposit Account Number _____
 Authorized User Name _____

9. Signature:

 Signature _____ Date 2/10/09
Laurence S. Roach, Registration No. 45,044
 Name of Person Signing

Total number of pages including cover sheet, attachments, and document: 6

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PANASONIC AUTOMOTIVE SYST

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FCRM PTO-SBS (Modified)
(Rev. 08-05)
OMB No. 2618-0047 (exp 05/01/2008)
FDS-REV-03

RECORDATION FORM COVER SHEET

U.S. DEPARTMENT OF COMMERCE
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Execution Date(s): December 20, 2008

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Phone Number: 770.302.1519
Fax Number: 770.631.5824
Email Address: roachL@us.panasonic.com

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b. Deposit Account Number _____
Authorized User Name _____

9. Signature:  _____
Signature _____ Date 1/5/09
Laurence S. Roach, Registration No. 45,044
Name of Person Signing _____ Total number of pages including cover sheet, attachments, and document 4

Documents to be recorded (including cover sheet) should be filed in the 1273-0140, or mailed to:
Full Stop Assignment Receiving Service, Director of the USPTO, P.O. Box 1450, Alexandria, VA 22315-1450

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Panasonic Corporation of North America

PASA012-04.US

PANASONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA
DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA

Assignment

As a below named inventor or joint inventor of an invention or improvement entitled:

**APPARATUS HAVING AND METHOD FOR IMPLEMENTING A DISTRIBUTED
ARCHITECTURE FOR RECEIVING AND/OR TRANSMITTING RADIO FREQUENCY
SIGNALS**

filed on September 20, 2005 and assigned U. S. Serial Number 11/230,408; and

WHEREAS, PANASONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA, DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA, a Corporation, organized and existing under the laws of the State of Delaware, having its principal office and place of business in the City of Peachtree City, State of Georgia, is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application in the United States of America and in any and all countries foreign thereto;

NOW, THEREFORE, for good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, I have sold, assigned, transferred, and set over, and by these presents do hereby sell, assign, transfer and set over, unto said PANASONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA, DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA, its successors, legal representatives, and assigns, my entire right, title and interest in, to, and under the said invention, and the said application, and all divisional, renewal, substitutional, and continuation applications thereof, and all Letters Patent of the United States of America which may be granted thereof and all reissues and extensions hereof, and all applications for Letters Patent which may be filed for said invention in any country or countries foreign to the United States of America, including all rights of priority, all rights to publish cautionary notices reserving ownership of said invention, all rights to register said invention in appropriate registries, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States of America, and all extensions, renewals, and reissues thereof, and I hereby authorize and request the Commissioner of Patents and Trademarks of the United States of America, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to said PANASONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA, DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA, 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.

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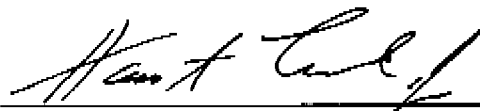
Panasonic Corporation of North America

PASA012-04.US

And I hereby further covenant and agree that I will communicate to said PANASONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA, DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA, its successors, legal representatives, and assigns, any fact known to me respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisions, renewal, substitutional, continuing, and reissue applications, make all rightful declarations and/or oaths and generally do everything possible to aid said PANASONIC AUTOMOTIVE SYSTEMS COMPANY OF AMERICA, DIVISION OF PANASONIC CORPORATION OF NORTH AMERICA, its successors, legal representatives, and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, I authorize and affirm said assignments with the signature(s) set forth below on the indicated date(s).

Inventor:



Hans A. Troemel, Jr.



Date