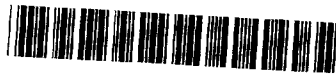


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FORM PTO-1595
(Rev. 6-93)
OMB No. 0651-0011 (exp. 4/94)

RECORD



U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

101483665

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

1. Name of conveying parties: Thirumalai G. Palanisamy; Douglas Vernick

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

Name: AlliedSignal Inc.

Internal Address: P. O. Box 2245

Street Address: 101 Columbia Road

City: Morristown State: NJ Zip: 07962

Additional name(s) & party(ies) attached? Yes No

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

3. Nature of conveyance:

Assignment

Merger

Security Agreement

Change of Name

Other

Execution Date: September 27, 1999
September 27, 1999

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:

A. Patent Application No.(s)
60/093,425 filed July 20, 1998
09/357,542 filed July 20, 1999

B. Patent No.(s)

Additional numbers attached? Yes No

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

Name: Loria B. Yeadon

Internal Address: AlliedSignal Inc.

Law Department M/S 2/B2

Street Address: 699 Route 46 East

City: Teterboro State: NJ Zip: 07608

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: 01-1125

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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.

Loria B. Yeadon

Name of Person Signing

Signature

8/28/00

Date

10/10/2000 DBYRNE 0000064 011125 09357542 3 pages including cover sheet, attachments, and document.

01 FC:581

40.00 Mail documents to be recorded with required cover sheet information to:

Commissioner of Patents & Trademarks, Box Assignments
Washington, D.C. 20231

PATENT
REEL: 011139 FRAME: 0140

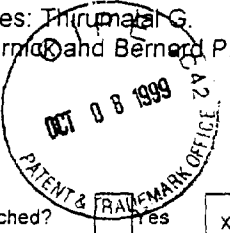
10-15-1999
101169121

MED P-8-99

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

1. Name of conveying parties: Thirumala G. Palanisamy; Douglas Vermorel and Bernard P. Gollomp

Additional name(s) & party(ies) attached? Yes No



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

Name: AlliedSignal Inc.
Internal Address: P. O. Box 2245

Street Address: 101 Columbia Road

City: Morristown State: NJ Zip: 07962

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

3. Nature of conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____

Execution Date: September 27, 1999

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:
A. Patent Application No.(s)
60/093,425 filed July 20, 1998
09/357,542 filed July 20, 1999
B. Patent No.(s) _____

Additional numbers attached? Yes No

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: Loria B. Yeadon
Internal Address: AlliedSignal Inc.
Law Department M/S 2/B2

Street Address: 699 Route 46 East

City: Teterboro State: NJ Zip: 07608

6. Total number of applications and patents involved: 1

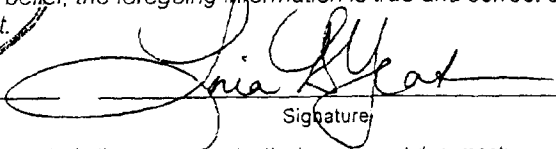
7. Total fee (37 CFR 3.41)\$ 40.00
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8. Deposit account number: 01-1113

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Loria B. Yeadon  9/30/99
Name of Person Signing Signature Date

Total number of pages including cover sheet, attachments, and document: 3

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Washington, D.C. 20231

ASSIGNMENT

Assignment before issue of Letters Patent

Attorney 246-97-021

Docket No. _____

WHEREAS, Thirumalai G. Palanisamy; Douglas Vernick; and Bernard Gollomp

(hereinafter "Assignor") have invented certain new and useful improvements in

System and Method for Monitoring a Vehicle Battery

(hereinafter "invention") for which Assignor has made application for LETTERS PATENT OF

THE UNITED STATES, which application has been duly executed by Assignor on

the day(s) and date(s) of these presents including any United States provisional application(s) identified as follows, of which the subject application claims priority: Serial 60/093,425 filed July 20, 1998.

AND WHEREAS, AlliedSignal Inc., a corporation organized and existing under the laws of the State of Delaware, U.S.A., having a place of business at 101 Columbia Road, Morris Township, Morris County, New Jersey, U.S.A., hereinafter called the Assignee, is desirous of acquiring the entire right, title and interest in and to said invention within the United States of America and its territorial possessions and all foreign countries and any United States or foreign LETTERS PATENT that may be granted therefor.

NOW, THIS INDENTURE WITNESSETH, that for good and valuable considerations, the receipt whereof is hereby acknowledged, Assignor has assigned, sold and transferred, and does hereby assign, sell and transfer to the said Assignee the entire right, title and interest in and to the said invention, within the United States of America and its territorial possessions and all foreign countries and in and to any LETTERS PATENT of the United States and foreign countries, including utility models, inventor's certificates and like government grants, and all divisions, reissues, continuations and extensions thereof that may be granted therefor, and the right to apply for LETTERS PATENT in foreign countries with full benefit of such priorities as may now or hereafter be granted to Assignor by local laws or by treaty, including any international convention, for the protection of industrial property, together with the right to extend the protection of said U.S. LETTERS PATENT to the various territorial possessions now owned or which may be hereafter acquired by the United States of America, all said rights to be held and enjoyed by the Assignee for its own use and benefit, and for the use and benefit of its successors or assigns, to the full end of the term for which said LETTERS PATENT may be granted, as fully and entirely as the same would have been held and enjoyed by Assignor if this assignment and sale had not been made. And Assignor does hereby request and authorize the Commissioner of Patents and Trademarks, U.S.A., to issue said U.S. LETTERS PATENT, when granted, in accordance with this assignment.

Assignor further covenants and agrees with the Assignee that Assignor has a full and unencumbered title to the invention hereby assigned, which title Assignor warrants unto the Assignee, and Assignor further agrees that Assignor will, without demanding any further consideration therefor, at the request but at the expense of the Assignee, do all lawful and just acts, including the execution and acknowledgment of instruments, that may be or become necessary for obtaining, sustaining, extending, reissuing or reexamining United States and foreign LETTERS PATENT or the like for the said invention, and for maintaining and perfecting the Assignee's right to said invention and LETTERS PATENT particularly in cases of interference, conflict, opposition and litigation.

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27th day of September, 19 99
Thirumalai G. Palanisamy
Thirumalai G. Palanisamy

IN TESTIMONY WHEREOF, I have hereunto set my hand this 27th day of September, 19 99
Douglas Vernick
Douglas Vernick

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 19 99

IN TESTIMONY WHEREOF, I have hereunto set my hand this _____ day of _____, 19 99

STATE OF New Jersey)
) ss.:
COUNTY OF Morris)

On this 27th day of Sept., 19 99 before me personally appeared
Thirumalai G. Palanisamy

to me known and known to me to be the individual _____ described in and who executed the foregoing instrument,
and _____ he _____ acknowledged to me that _____ he _____ executed the same.

[SEAL] Marcella Alaboul
My commission expires: 8/17/2004 Notary Public

STATE OF New Jersey)
) ss.:
COUNTY OF Morris)

On this 27th day of Sept., 19 99 before me personally appeared
Douglas Vernick

to me known and known to me to be the individual _____ described in and who executed the foregoing instrument,
and _____ he _____ acknowledged to me that _____ he _____ executed the same.

[SEAL] Marcella Alaboul
My commission expires: 8/17/2004 Notary Public

STATE OF _____)
) ss.:
COUNTY OF _____)

On this _____ day of _____, 19 99 before me personally appeared

to me known and known to me to be the individual _____ described in and who executed the foregoing instrument,
and _____ he _____ acknowledged to me that _____ he _____ executed the same.

[SEAL] _____
My commission expires: _____ Notary Public

STATE OF _____)
) ss.:
COUNTY OF _____)

On this _____ day of _____, 19 _____ before me personally appeared

to me known and known to me to be the individual _____ described in and who executed the foregoing instrument,
and _____ he _____ acknowledged to me that _____ he _____ executed the same.

[SEAL] _____
My commission expires: _____ Notary Public