

01-10-2002



Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/2002)

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

45784-63

**PATENTS ONLY**

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

## 1. Name of conveying party(ies):

Pedro Manrique  
David Wathen

1.4.02

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

## 3. Nature of conveyance:

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

Execution Date: October 5, 2001

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

Name: Harman International Industries Incorporated

Internal Address: \_\_\_\_\_

Street Address: \_\_\_\_\_  
8500 Balboa BoulevardNorthridge CA 91329  
City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_Additional name(s) & address(es) attached? ☐ Yes ☒ No

## 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)  
09/949,499

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: Sung I. Oh

Squire, Sanders & Dempsey L.L.P.  
801 South Figueroa Street  
14th Floor  
Los Angeles, California 90017-5554

## 6. Total number of applications and patents involved:

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

- ☒ Enclosed  
☐ Authorized to be charged to deposit account

## 8. Deposit account number:

07-1853

(Attach duplicate copy of this page if paying by deposit account)

**DO NOT USE THIS SPACE**

## 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.*

Sung I. Oh 45,583

Name of Person Signing

Signature

10/22/2001

Date

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

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

01/09/2002 TDIAZ1 00000131 09949499

01 FC:581 40.00 OP

**PATENT**  
**REEL: 012429 FRAME: 0505**

## ASSIGNMENT

WHEREAS, we, Pedro Manrique, residing at 300 North El Molino, #204, Pasadena, California 91101, and David Wathen, residing at 1016 South Wooster Street, #3, Los Angeles, California 90035, the undersigned inventors and the ASSIGNORS herein, have invented a SPEAKER HOUSING CONFIGURED TO MINIMIZE STANDING WAVES AND RESONATE ABOVE THE FREQUENCY RANGE OF TRANSDUCERS, for which we have filed an application for Letters Patent of the United States on September 7, 2001, Serial No. 09/949,499, and of which inventions and improvements we are the sole owners; and

WHEREAS, HARMAN INTERNATIONAL INDUSTRIES INCORPORATED is a corporation organized and existing under the laws of the State of Delaware, having a place of business at 8500 Balboa Boulevard, Northridge, California 91329, the ASSIGNEE herein, desires to acquire the entire right, title and interest in and to said inventions, applications and Letters Patent to be granted and issued thereon;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) by the ASSIGNEE to us paid, and other valuable consideration, the receipt and legal sufficiency of all of which is hereby acknowledged, we, the said ASSIGNORS, have sold and do hereby sell, assign, transfer and set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said inventions and all improvements thereon, in and to said application for Letters Patent thereon, in and to applications pertaining to or based upon said inventions and applications, including divisional and continuing applications and continuations-in-part, and in and to any and all Letters Patent which may be granted and issued on said inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

And for the above-named considerations, we do hereby agree that we will, at the request of said ASSIGNEE, execute any and all applications for Letters Patent for said inventions and any and all other papers and documents and do all other and further lawful acts that said ASSIGNEE may deem necessary or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and Letters Patent.

And for the above-named considerations, we do hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent for the said inventions before competent International Authorities and in any and all countries foreign to the United States in which applications for Letters Patent can be so made or Letters Patent so obtained.

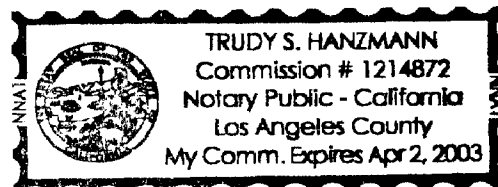
Dated: 10/03/01By Pedro Manrique  
Pedro ManriqueSTATE OF CALIFORNIA           )  
  ) ss.  
COUNTY OF LOS ANGELES    )

On October 3, 2001 before Trudy S. Hanzmann  
personally appeared PEDRO MANRIQUE, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

Trudy S. Hanzmann  
Notary Public

(SEAL)



Dated: \_\_\_\_\_

By \_\_\_\_\_  
David WathenSTATE OF CALIFORNIA           )  
  ) ss.  
COUNTY OF LOS ANGELES    )

On \_\_\_\_\_ before \_\_\_\_\_  
personally appeared DAVID WATHEN, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
Notary Public

(SEAL)

## ASSIGNMENT

WHEREAS, we, Pedro Manrique, residing at 300 North El Molino, #204, Pasadena, California 91101, and David Wathen, residing at 1016 South Wooster Street, #3, Los Angeles, California 90035, the undersigned inventors and the ASSIGNORS herein, have invented a SPEAKER HOUSING CONFIGURED TO MINIMIZE STANDING WAVES AND RESONATE ABOVE THE FREQUENCY RANGE OF TRANSDUCERS, for which we have filed an application for Letters Patent of the United States on September 7, 2001, Serial No. 09/949,499, and of which inventions and improvements we are the sole owners; and

WHEREAS, HARMAN INTERNATIONAL INDUSTRIES INCORPORATED is a corporation organized and existing under the laws of the State of Delaware, having a place of business at 8500 Balboa Boulevard, Northridge, California 91329, the ASSIGNEE herein, desires to acquire the entire right, title and interest in and to said inventions, applications and Letters Patent to be granted and issued thereon;

NOW, THEREFORE, for and in consideration of the sum of One Dollar (\$1.00) by the ASSIGNEE to us paid, and other valuable consideration, the receipt and legal sufficiency of all of which is hereby acknowledged, we, the said ASSIGNORS, have sold and do hereby sell, assign, transfer and set over unto said ASSIGNEE, its successors and assigns, the entire right, title and interest in and to said inventions and all improvements thereon, in and to said application for Letters Patent thereon, in and to applications pertaining to or based upon said inventions and applications, including divisional and continuing applications and continuations-in-part, and in and to any and all Letters Patent which may be granted and issued on said inventions and applications, or any of them, not only for, to and in the United States of America, its territories and possessions, but for, to and in all countries foreign thereto, together with and including all priority rights based upon any and all applications in the United States of America covered by this Assignment.

And for the above-named considerations, we do hereby agree that we will, at the request of said ASSIGNEE, execute any and all applications for Letters Patent for said inventions and any and all other papers and documents and do all other and further lawful acts that said ASSIGNEE may deem necessary or desirable to obtain Letters Patent on said inventions, to secure the grant of such Letters Patent and to perfect and vest in the ASSIGNEE the entire right, title and interest in the inventions, applications and Letters Patent.

And for the above-named considerations, we do hereby authorize and empower the ASSIGNEE, its successors and assigns, to apply for and obtain, in its or their own names, Letters Patent for the said inventions before competent International Authorities and in any and all countries foreign to the United States in which applications for Letters Patent can be so made or Letters Patent so obtained.

Dated: \_\_\_\_\_

By \_\_\_\_\_

Pedro Manrique

STATE OF CALIFORNIA )

) ss.

COUNTY OF LOS ANGELES )

On \_\_\_\_\_ before \_\_\_\_\_

personally appeared PEDRO MANRIQUE, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument, the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument.

WITNESS my hand and official seal.

(SEAL)

\_\_\_\_\_  
Notary PublicDated: 10/5/01By David Wathen  
David Wathen

STATE OF CALIFORNIA )

) ss.

COUNTY OF LOS ANGELES )

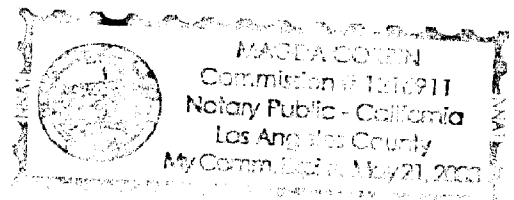
On 10-5-01 before MAGDA CORBIN, Notary Public

personally appeared DAVID WATHEN, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person(s) whose name(s) is ~~are~~ subscribed to the within instrument and acknowledged to me that he ~~she/they~~ executed the same in his ~~her/their~~ authorized capacity(~~ies~~), and that by his ~~her/their~~ signature(~~s~~) on the instrument, the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

WITNESS my hand and official seal.

Magda Corbin  
Notary Public

(SEAL)

LosAngeles/56060.1  
09/06/2001

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RECORDED: 01/04/2002

PATENT  
REEL: 012429 FRAME: 0509