

## PATENT ASSIGNMENT

Electronic Version v1.1

Stylesheet Version v1.1

SUBMISSION TYPE:

NEW ASSIGNMENT

NATURE OF CONVEYANCE:

ASSIGNMENT

## CONVEYING PARTY DATA

Name	Execution Date
David Bailey	04/02/2003
Danny Grant	04/09/2003
Alex Jasso	04/02/2003
Ken Martin	04/15/2003
Erik Shahoian	04/02/2003
Kollin Tierling	04/03/2003
Steven Vassallo	04/16/2003

## RECEIVING PARTY DATA

Name:	Immersion Corporation
Street Address:	801 Fox Lane
City:	San Jose
State/Country:	CALIFORNIA
Postal Code:	95131

## PROPERTY NUMBERS Total: 1

Property Type	Number
Application Number:	11499007

## CORRESPONDENCE DATA

Fax Number: (408)287-8040

*Correspondence will be sent via US Mail when the fax attempt is unsuccessful.*

Phone: 4082925800

Email: sbyam@thelen.com

Correspondent Name: David B. Ritchie

Address Line 1: P.O. Box 640640

Address Line 4: San Jose, CALIFORNIA 95164-0640

ATTORNEY DOCKET NUMBER:

034701-632

PATENT

500490721

REEL: 020669 FRAME: 0666

CH \$40.00 11499007

NAME OF SUBMITTER:

Suvashis Bhattacharya

Total Attachments: 8

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ASSIGNMENT  
(Joint)

David BAILEY, residing at 3 Fredrick Court, Menlo Park, CA 94025; Danny GRANT, residing at 6678 Châteaubriand, Montreal, Qc H2S 2N7; Alex JASSO, residing at 2261 Sunny Vista Drive, San Jose, CA 95128; Ken MARTIN, residing at 21560 Old Mine Road, Los Gatos, CA 95033; Erik SHAHOIAN, residing at 3208 El Suvo Drive, San Ramon, CA 94583; Kollin TIERLING, residing at 622 Costigan Circle, Milpitas, CA 95035; and Steven VASSALLO, residing at 3632 Jefferson Avenue, Redwood City, CA 94062, (each referred to as "Assignor") have made an invention(s) (the "Invention(s)") set forth in an application for patent of the United States, entitled **HAPTIC FEEDBACK USING ROTARY HARMONIC MOVING MASS**, and which is a:

- (1) ☐ provisional application
  - (a) ☐ to be filed herewith; or
  - (b) ☐ bearing Application No. , and filed on ; or
- (2) ☒ non-provisional application
  - (a) ☐ to be filed herewith; or
  - (b) ☒ bearing Application No. 10/301,809, and filed on November 22, 2002.

**WHEREAS**, Immersion Corporation, a corporation duly organized under and pursuant to the laws of Delaware, and having its principal place of business at 801 Fox Lane, San Jose, CA 95131 (the "Assignee"), is desirous of acquiring the entire right, title, and interest in: the Invention(s); the application for patent identified in paragraph (1) or (2); the right to file applications for patent of the United States or other countries on the Invention(s); any application(s) for patent of the United States or other countries claiming priority to these application(s); any provisional or other right to recover damages, including royalties, for prior infringements of these applications; and any patent(s) of the United States or other countries that may be granted therefor or thereon.

**NOW, THEREFORE**, for good and sufficient consideration, the receipt of which is hereby acknowledged, and to the extent that the Assignor has not done so already via a prior agreement with the Assignee, or if the Assignor has already done so via a prior agreement with the Assignee then in confirmation of any obligation to do so in said prior agreement, the Assignor has sold, assigned, transferred, and set over, and by these presents does sell, assign, transfer, and set over, unto the Assignee, its successors, legal representatives, and assigns, the Assignor's entire right, title, and interest in:

- (a) the Invention(s);
- (b) the application for patent identified in paragraph (1) or (2);
- (c) the right to file applications for patent of the United States or other countries on the Invention(s), including all rights under the Paris Convention for the Protection of Industrial Property and under the Patent Cooperation Treaty;
- (d) any application(s) for patent of the United States or other countries claiming the Invention(s);
- (e) any application(s) for patent of the United States or other countries claiming priority to the application for patent identified in paragraph (1) or (2) or any

application(s) for patent claiming the Invention(s), including any division(s), continuation(s), and continuation(s)-in-part; and

(f) any provisional or other right to recover damages, including royalties, for prior infringements of any application for patent identified in the preceding paragraphs (b)-(e); and

(g) any patent(s) of the United States or other countries that may be granted for or on any application for patent identified in the preceding paragraphs (b) - (e), including any reissue(s) and extension(s) of said patent(s).

The above-granted rights, titles, and interests are to be held and enjoyed by the Assignee, for its own use and behalf and the use and behalf of its successors, legal representatives, and assigns, as fully and entirely as the same would have been held and enjoyed by the Assignor had this sale and assignment not been made.

The Assignor hereby represents to the Assignee, its successors, legal representatives, and assigns, that, at the time of execution and delivery of these presents, or if applicable, at such time said prior agreement was executed, the Assignor is a lawful owner of an undivided interest in the entire right, title, and interest in and to the Invention(s), that the Invention(s) are unencumbered, except, if applicable, by obligation to assign in accordance with said prior agreement, and that the Assignor has good and full right and lawful authority to sell and convey the same in the manner set forth herein.

The Assignor hereby covenants and agrees to and with the Assignee, its successors, legal representatives, and assigns, that the Assignor will sign all papers and documents, take all lawful oaths, and do all acts necessary or required to be done in connection with any and all proceedings for the procurement, maintenance, enforcement and defense of the Invention(s), said applications, and said patents, including interference proceedings, without charge to the Assignee, its successors, legal representatives, and assigns, but at the cost and expense of the Assignee, its successors, legal representatives, and assigns.

The Assignor hereby authorizes and requests the attorneys of COOLEY GODWARD L.L.P. to insert in the spaces provided above the filing date, the application number, and the attorney docket number of the application identified in paragraph (1) or (2) when known.

The Assignor hereby requests the Commissioner of Patents to issue said patents of the United States to the Assignee for the sole use and behalf of the Assignee, its successors, legal representatives, and assigns.

Date: 4/12/03

By:   
David BAILEY

State of _____ <div style="text-align: right; margin-right: 50px;">ss.</div> County of _____  On _____, before me, _____, personally appeared _____, 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.  <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <span>_____ Signature of Notary Public</span> <span>Place Notary Seal Above</span> </div>
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Date: \_\_\_\_\_

By: \_\_\_\_\_  
Danny GRANT

State of _____ <div style="text-align: right; margin-right: 50px;">ss.</div> County of _____  On _____, before me, _____, personally appeared _____, 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.  <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <span>_____ Signature of Notary Public</span> <span>Place Notary Seal Above</span> </div>
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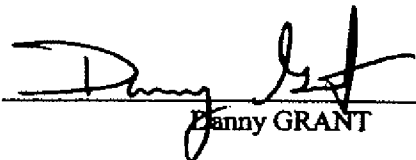
Date: \_\_\_\_\_

By: \_\_\_\_\_

David BAILEY

State of _____ ) <div style="text-align: center;">ss.</div> County of _____ )  On _____, before me, _____, personally appeared _____, 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.  _____ Signature of Notary Public	Place Notary Seal Above
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Date: April 9th, 03

By:   
 Danny GRANT

State of _____ ) <div style="text-align: center;">ss.</div> County of _____ )  On _____, before me, _____, personally appeared _____, 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.  _____ Signature of Notary Public	Place Notary Seal Above
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Date: 4/2/03

By: Alex Jasso  
Alex JASSO

State of \_\_\_\_\_ )  
ss.  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared \_\_\_\_\_, 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.

\_\_\_\_\_  
Signature of Notary Public

Place Notary Seal Above

Date: \_\_\_\_\_

By: Ken MARTIN

State of \_\_\_\_\_ )  
ss.  
County of \_\_\_\_\_ )

On \_\_\_\_\_, before me, \_\_\_\_\_, personally appeared \_\_\_\_\_, 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.

\_\_\_\_\_  
Signature of Notary Public

Place Notary Seal Above

Date: \_\_\_\_\_

By: \_\_\_\_\_  
Alex JASSO

State of _____
ss. _____
County of _____
On _____, before me, _____, personally appeared _____, 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.
Signature of Notary Public _____
Place Notary Seal Above

Date: 09/15/03

By:   
Ken MARTIN

State of _____
ss. _____
County of _____
On _____, before me, _____, personally appeared _____, 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.
Signature of Notary Public _____
Place Notary Seal Above

Date: April 2, 2003

By:   
Erik SHAHOIAN

State of _____ ) <div style="text-align: right; margin-right: 20px;">ss.</div> County of _____ )  On _____, before me, _____, personally appeared _____, 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.  <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <span>_____ Signature of Notary Public</span> <span>Place Notary Seal Above</span> </div>
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Date: 4/3/03

By:   
Kollin TIERLING

State of _____ ) <div style="text-align: right; margin-right: 20px;">ss.</div> County of _____ )  On _____, before me, _____, personally appeared _____, 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.  <div style="display: flex; justify-content: space-between; margin-top: 20px;"> <span>_____ Signature of Notary Public</span> <span>Place Notary Seal Above</span> </div>
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Date: 4/16/03

By: *Steven Vassallo*  
Steven VASSALLO

State of _____ ss. County of _____  On _____, before me, _____, personally appeared _____, 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.  _____ Signature of Notary Public	Place Notary Seal Above
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