12-06-2005

U.S. Departmen	nt of COMMERCE
Inited States Patent and	Trademark Office

DEC 0 1 2005)	
1031	31592 IMMR-VTI00013B (034701-578)
To the Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 1. **The Director of the U.S. Patents and Trauemark Office: Plea 2. **The Director of the U.S. Patents and Trauemark Office: Plea 3. **The Director of the U.S. Patents and Trauemark Office: Plea 3. **The Director of the U.S. Patents and Trauemark Office: Plea 4. **The Director of the U.S. Patents and Trauemark Office: Plea 4. **The Director of the U.S. Patents and Trauemark Office: Plea 5. **The Director of the U.S. Patents and Trauemark Office: Plea 6. **The Director of the U.S. Patents and Trauemark Office: Plea 6. **The Director of the U.S. Patents and Trauemark Office: Plea 7. **The Director of the U.S. Patents and Trauemark Office: Plea 8. **The Director of the U.S. Patents and Trauemark Office: Plea 9. **The Director of the U.S. Patents and Trauemark Office: Plea 9. **The Director of the U.S. Patents and Trauemark Office: Plea 9. **The Director of the U.S. Patents and Trauemark Office: Plea 9. **The Director of the U.S. Patents and Trauemark Office: Plea 9. **The Director of the U.S. Patents and Trauemark Office: Plea 9. **The Director of the U.S. Patents and Trauemark Office: Plea 9. **The Director of the U.S. Patents and Trauemark Office: Plea 9.	ise record the attached documents or the new address(es) below.
Virtual Technologies, Inc	Name and address of receiving party(ies) Name: Immersion Corporation
Execution Date(s) 8/19/2002	
Additional name of conveying party(ies) attached? ☐ Yes ☒ No	Internal Address:
2 Natura of annual survey	Street Address: 801 Fox Lane
3. Nature of conveyance:	
	City: San Jose
Security Agreement Change of Name	State California
Government Interest Assignment	State: California
☐ Executive Order 9424, Confirmatory License	Country: USA Zip: 95131
Other	Additional Name(s) & address(es) attached? ☐ Yes ☒ No
4. Application number(s) or patent number(s):	This document is being filed together with a new application.
A. Patent Application No.(s)	B. Patent No.(s)
11/195,367	
1/2005 NNGUYEN1 00000044 11195367	1
C:8021 (40.00 0P) Additional numbers att	ached? Yes No
5. Name and address of party to whom correspondence concerning this document should be mailed:	6. Total number of applications and patents involved: 1
Name: David B. Ritchie	7. Total fee (37 CFR 1.21(h) & 3.41) \$ 40.00
Internal Address: Thelen Reid & Priest LLP	
P.O. Box 640640	☐ Authorized to be charged to deposit account
Street Address:	☐ Enclosed
	☐ None required (government interest not affecting title)
City: San Jose	
State <u>: CA</u> Zip: <u>95164-0640</u>	8. Payment Information
Phone Number : 408.292.5800	a. Credit Card Last 4 Numbers 1004 Expiration Date 5/06
Fax Number: 408.287.8040	b. Deposit Account Number 50-1698
Email Address:	Authorized User Name Thelen Reid & Priest LLP
9. Signature: S-Blook	11/28/05
Signature Suvashis Bhattacharya, Reg. No. 46,554	Total number of pages including cover
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REEL: 017292 FRAME: 0084



ASSIGNMENT OF PATENT APPLICATION

(Not Accompanying Application)

Whereas Virtual Technologies, Inc., a California corporation with a place of business at 801 Fox Lane, San Jose, CA 95131-1601, owns all right, title and interest to certain new and useful improvements for which have been executed applications for United States Letters Patents as set forth in the patents and patent applications listed in the attached APPENDIX A.

The undersigned duly authorized representative of Virtual Technologies, Inc. hereby:

- 1) Sell(s), assign(s) and transfer(s) to Immersion Corporation, a Delaware corporation having a place of business at 801 Fox Lane, San Jose, CA 95131, (hereinafter referred to as "ASSIGNEE"), the entire right, title and interest in any and all improvements and inventions disclosed in, application(s) (including foreign applications) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the patents and patent applications listed in the attached APPENDIX A.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said applications or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said applications and patents, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications and patents.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the ASSIGNEE, its successors, assigns and other legal representative, and shall be binding upon the inventor, as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that Virtual Technologies, Inc. has not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Virtual Technologies, Inc.				
Vinta Vhan				
Signature	,		•	
Victor Viegas				
Printed Name				
Chief Financial Officer				
Title	•			
August 19, 2002	·			
Date				
State of California) County of Santa Clara)			• .	
On this 19 th day of August, in the Notary Public, personally appeared Victor Verthe basis of satisfactory evidence to be the instrument, and acknowledged to me that capacity(ies), and that by his/her signature of behalf of which the person acted, executed the	Viegas, personally keeperson whose name he/she executed to the instrument the	mown to me me is subsc he same in	or proved ribed to tl his/her a	to me on he within uthorized
WITNESS my hand and official seal. Signature Lluxure L. Elizari	<u> </u>	0	Commission Notary Public San Mate	HE Y. EBISUI on # 1220039 ic - California so County pires Jun 15, 2003

(SEAL)

APPENDIX A

Title	Application/Patent No.	Filing/Issue Date
Force Feedback and Textures Simulating	5,184,319	February 2, 1993
Force Feedback and Textures Simulating	07/929,895	August 10, 1992
Force Feedback and Textures Simulating	5,631,861	May 20, 1997
Force Feedback and Textures Simulating	6,059,506	May 9, 2000
Force Feedback and Textures Simulating	09/439,766	November 15, 1999
Determination of Kinematically Constrained Multi-Articulated Structures	07/909,570	July 6, 1992
Determination of Kinematically Constrained Multi-Articulated Structures	5,676,157	October 14, 1997
Determination of Kinematically Constrained Multi-Articulated Structures	6,162,190	December 19, 2000
Determination of Kinematically Constrained Multi-Articulated Structures	09/730,056	December 5, 2000
Determination of Thumb Position Using Measurements of Abduction and Rotation	5,482,056	January 9, 1996
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	5,592,401	January 7, 1997
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	5,930,741	July 27, 1999
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	6,148,280	November 14, 2000
Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies	09/712,046	November 13, 2000
Forearm-Supported Exoskeletal Hand-Tracking Device	6,104,379	August 15, 2000

Forearm-Supported Exoskeletal	09/565,907	May 5, 2000
Hand-Tracking Device		
Goniometer-Based Body-Tracking	6,050,962	April 18, 2000
Device and Method		
Goniometer-Based Body-Tracking	6,428,490	August 6, 2002
Device and Method		
Force-Feedback Interface Device	6,042,555	March 28, 2000
for the Hand		
Force-Feedback Interface Device	6,413,229	July 2, 2002
for the Hand		
Exoskeleton Device for Directly	6,110,130	August 29, 2002
Measuring Fingertip Position and		·
Inferring Finger Joint Angle		
Exoskeleton Device for Directly	09/565,730	May 5, 2000
Measuring Fingertip Position and		
Inferring Finger Joint Angle		
System and Method for	09/432,362	November 3, 1999
Constraining a Graphical Hand		
from Penetrating Simulated		·
Graphical Objects		
System, Method and Data Structure	09/675,811	September 29,2000
for Simulated Interaction with		
Graphical Objects		
Interface for Controlling a	09/837,860	April 17, 2001
Graphical Image		
Real Time Determination of	09/912,434	July 24, 2001
Simulated Interactions for Large		
Systems		
Position Sensor with Resistive	09/894,985	June 27, 2001
Element		