RECORDATION FORM COVER SHEET PATENTS ONLY

Patent and Trademark Office Atty Ref/Docket No.: 600.710US1 To the Director of the U.S. Patent and Trademark Office: Please record the attached original documents or copy thereof. Name and address of receiving party(ies); Name of conveying party(ies): Name: Regents of the University of Minnesota Stergios I. Roumeliotis and Anastasios I. Mourikis Street Address: 1000 Westgate Drive, Suite 160 Additional name(s) of conveying party(les) attached? City: <u>St. Paul</u> State: <u>MN</u> Zip: <u>55114-8658</u> []Yes [X]No Additional name(s) & address(es) attached? []Yes [X]No Nature of conveyance: [X] Assignment [] Merger [] Security Agreement [] Change of Name Execution Date: <u>April 23, 2009</u>. April 29, 2009 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: B. Patent No.(s) A. Patent Application No.(s) Serial No. 12/383,371, filed March 23, 2009 Additional numbers attached? []Yes [X]No 6. Total number of applications and patents involved: 1 Name and address of party to whom correspondence 7. Total fee (37 CFR 3.41):\$ 40.00 concerning document should be mailed: Name: David W. Black [X]Enclosed []Authorized to be charged to deposit account Address: 19-0743 Schwegman, Lundberg & Woessner, P.A. P.O. Box 2938 8. Please charge any additional fees or credit any over payments to our Deposit Account No.: 19-0743 Minneapolis, MN 55402-0938 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. June 5, 2009 David W. Black/Reg. No. 42,331 Name of Person Signing

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

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> PATENT REEL: 022796 FRAME: 0122

Total number of pages including cover sheet: 6

ASSIGNMENT

WHEREAS, We, Stergios I. Roumeliotis, residing at 1023 5th St. SE, Minneapolis, 5880 FAIP ISLE DE, APT 28 MN 55414, and Anastasios I. Mourikis, residing at 810. Thorton Street SE, Apt 801, Riverside, CA 92507 Minneapolis, MN 55414, made certain new and useful inventions and improvements for which we filed an application for Letters Patent of the United States on March 23, 2009, which application was assigned U.S. patent application serial number 12/383,371, and is entitled VISION-AIDED INERTIAL NAVIGATION;

AND WHEREAS, Regents of the University of Minnesota, an entity organized and existing under and by virtue of the laws of the State of Minnesota, and having an office and place of business at 1000 Westgate Drive. Suite 160. St. Paul. MN 55114-8658 (hereinafter "Assignee"), is desirous of acquiring the entire right, priority right, title and interest in and to said inventions, improvements and application and in and to the Letters Patent to be obtained therefore;

NOW, THEREFORE, to all whom it may concern, be it known that for good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, we have sold, assigned, and transferred, and by these presents do sell, assign and transfer unto said Assignee, its successors or assigns, the entire right, title and interest for all countries in and to all inventions and improvements disclosed in the aforesaid application, and in and to the said application, all divisions, continuations, continuations-in-part, or renewals thereof, all Letters Patent which may be granted there from, and all reissues or extensions of such patents, and in and to any and all applications which have been or shall be filed in any foreign countries for Letters Patent on the said inventions and improvements, including an assignment of all rights under the provisions of the International Convention, and all Letters Patent of foreign countries which may be granted there from; and we do hereby authorize and request the Commissioner of Patents and Trademarks to issue any and all United States Letters Patent for the aforesaid inventions and improvements to the said Assignee as the assignee of the entire right, title and interest in and to the same, for the use of the said Assignee, its successors and assigns.

Docket No: 600,710US1 Client Ref. No. 207191 Serial Number: 12/383,371 Filing Date: March 23, 2009 Title: VISION-AIDED INTERTIAL

Title: VISION-AIDED INERTIAL NAVIGATION

Page 2 of 4

AND, for the consideration aforesaid, we do hereby agree that we and our executors and legal representatives will make, execute and deliver any and all other instruments in writing including any and all further application papers, affidavits, assignments and other documents, and will communicate to said Assignee, its successors and representatives all facts known to us relating to said improvements and the history thereof and will testify in all legal proceedings and generally do all things which may be necessary or desirable more effectually to secure to and vest in said Assignee, its successors or assigns the entire right, title and interest in and to the said improvements, inventions, applications, Letters Patent, rights, titles, benefits, privileges and advantages hereby sold, assigned and conveyed, or intended so to be.

AND, furthermore, we covenant and agree with said Assignee, its successors and assigns, that no assignment, grant, mortgage, license or other agreement affecting the rights and property herein conveyed has been made to others by us and that full right to convey the same as herein expressed is possessed by us.

Docket No: 600.710US1 Client Ref. No. Z07191 Serial Number: 12/383,371 Filing Date: March 23, 2009 Title: VISION-AIDED INERTIAL NAVIGATION Page 3 of 4

IN TESTIMONY WHEREOF, I have hereunto set my hand this 2? day of

Stergios I. Roumeliotis

Caren D Durgter

STATE OF Memesote

COUNTY OF Datola)ss

On this <u>23</u> day of <u>Op W</u>, 20<u>09</u> before me personally appeared <u>Stergios I.</u>

Roumeliotis, to me known and known to me to be the person described in and who executed the foregoing instrument, and he/she duly acknowledged to me that he/she executed the same for the uses and purposes therein set forth.

KAREN S. SWYTERS

Notary Public-Minnesota S

My Commission Expires Jan 31, 2010 S

Notary Public

Dacket No. 600,710US1 Client Ref. No. 207191 Serial Number: 12/383,371 Filing Date: March 23, 2009 Title: VISION-AIDED INERTIAL NAVIGATION

Page 4 of 4

IN TESTIMONY WHEREOF, I have hereunto set my hand this 29^{74} day of ios I. Mourikis STATE OF California COUNTY OF RIVERSIDE before me personally appeared Anastasios I. Mourikis, to me known and known to me to be the person described in and who executed the foregoing instrument, and he she duly acknowledged to me that ho/she executed the same for the uses and purposes

[SEAL]

therein set forth.

Asiria A. Ellis-Suguita Notary Public

| ACKNOWLE | EDGMENT |
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| State of California County of Riverside | |) |
|---|---------------------------|---|
| Оп_April 29, 2009 | _ before me, _. | Asirra A. Ellis-Suguitan, Notary Public (insert name and title of the officer) |
| personally appearedAnastasios I. Mourikis who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/lare subscribed to the within instrument and acknowledged to me that (n) she/they executed the same in (h)s/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. | | |
| I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. | | |
| WITNESS my hand and official sea | | ARRIMA A. ELLIS-SUBGRIAN Commission # 1774701 Notary Public - Colifornia Riverside County My Comm. Spikes Oct 21, 2011 (Seal) |

RECORDED: 06/05/2009 REEL: (