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To the Honorable Commissioner of Patents and Trademarks, Patent Office

Attached original documents or copy thereof.

1. Name of conveying party(ies)

- (1) Chaitanya Kanojia
(2) Lee Kamenstky
(3) Peter Hall

2. Name and address of receiving party(ies)

Name: Navic Systems, Inc.

Internal Address: _____

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

3. Nature of conveyance:

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

Street Address: 74 Crescent RoadCity: Needham State: MA ZIP: 02494Execution Date: (1) 5/1/00 (2) 5/10/00 and 6/13/00 (3) 5/16/00Additional 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)

09/519,221

B. Patent No.(s)

Additional numbers attached? ☐ Yes ☒ No

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

Name: J. Grant Houston, Esq.

Internal Address: _____

Hamilton, Brook, Smith & Reynolds, P.C.Street Address: Two Militia DriveCity: Lexington State: MA ZIP: 02421-47996. Total number of applications and patents involved: ☐ 17. Total Fee (37 C.F.R. 3.41)..... \$ 40.00

- ☒ Enclosed
☒ Authorized to charge any deficiencies or credit any overpayment to deposit account
☐ Authorized to be charged to deposit account

8. Deposit account number:

08-0380

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

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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.*Todd A. Gerety

Name of Person Signing

Todd Gerety
Signature6/15/00
DateTotal number of pages including cover sheet, attachments, and document: ☐ 7

07/21/2000 ASC011 00000189 09519221

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PATENT
REEL: 010929 FRAME: 0470

Docket No. 2657.2001-005JointASSIGNMENT

WHEREAS, we, Chaitanya Kanojia, Lee Kamenstky, and Peter Hall, have invented a certain improvement in MESSAGE ROUTER described in an application for Letters Patent of the United States, the specification of which:

- ☐ is being executed on even date herewith and is about to be filed in the United States Patent Office;
- ☒ was filed on March 6, 2000 as Application No. 09/519,221;
- ☐ was patented under U.S. Patent No. _____ on _____.

WHEREAS, Navic Systems, Inc. (hereinafter "ASSIGNEE"), a corporation organized and existing under the laws of the Commonwealth of Massachusetts, and having a usual place of business at 74 Crescent Road, Needham, Massachusetts 02494 desires to acquire an interest therein in accordance with agreements duly entered into with us;

NOW, THEREFORE, to all whom it may concern be it known that for and in consideration of said agreements and of other good and valuable consideration, the receipt of which is hereby acknowledged, we have sold, assigned and transferred and by these presents do hereby sell, assign and transfer unto said ASSIGNEE, its successors, assigns and legal representatives, the entire right, title and interest in and throughout the United States of America, its territories and all foreign countries, in and to said invention as described in said application, together with the entire right, title and interest in and to said application and such Letters Patent as may issue thereon; said invention, application and Letters Patent to be held and enjoyed by said ASSIGNEE for its own use and behalf and for its successors, assigns and legal representatives, 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 by us had this assignment and sale not been made; we hereby convey all rights arising under or pursuant to any and all international agreements, treaties or laws relating to the protection of industrial property by filing any such applications for Letters Patent. We hereby acknowledge that this assignment, being of the entire right, title and interest in and to said invention, carries with it the right in ASSIGNEE to apply for and obtain from competent authorities in all countries of the world any and all Letters Patent by attorneys and agents of ASSIGNEE's selection and the right to procure the grant of all such Letters Patent to ASSIGNEE for its own name as assignee of the entire right, title and interest therein;

AND, we hereby further agree for ourselves and our executors and administrators to execute upon request any other lawful documents and likewise to perform any other lawful acts which may be deemed necessary to secure fully the aforesaid invention to said ASSIGNEE, its successors, assigns and legal representatives, but at its or their expense and charges, including the execution of applications for patents in foreign countries, and the execution of substitution, reissue, divisional or continuation applications and preliminary or other statements and the giving of testimony in any interference or other proceeding in which said invention or any application or patent directed thereto may be involved;

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AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor

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5/1/00

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Inventor ✓ P.M. Wall Date ✓ 16/5/00
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KT22 7NE

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Docket No. 2657.2001-005JointASSIGNMENT

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-2-

AND, we do hereby authorize and request the Commissioner of Patents of the United States to issue such Letters Patent as shall be granted upon said application or applications based thereon to said ASSIGNEE, its successors, assigns, and legal representatives.

Inventor _____ Date _____
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Witness _____ Date _____

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Witness _____ Date _____

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Inventor Lee Kamenstsky Date 6/13/00
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-3-

Inventor _____ Date _____
Peter Hall

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Witness _____ Date _____

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Witness _____ Date _____

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