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U.S. Department of Commerce
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To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

- 1) Larry W. Fullerton
- 2) James L. Richards
- 3) Ivan A. Cowie

Additional name(s) of conveying party(ies) attached? yes no

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

Name: Time Domain Corporation
 Street Address: 6700 Odyssey Drive, Ste. 100
 City: Huntsville State: Alabama Zip Code: 35806
 Country: U.S.A.

Additional name(s) & address(es) attached? yes no

3. Nature of Conveyance:

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

Execution Date(s): 1) March 23, 1998; 2) March 23, 1998; 3) March 23, 1998

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 March 23, 1998

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? yes no

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

Name: **Sterne, Kessler, Goldstein & Fox P.L.L.C.**

Internal Address: c/o Donald J. Featherstone

New York Ave., N.W.
Suite 1000

City: Washington State: D.C. Zip Code: 20005-3934

6. Total number of applications and patents involved

7. Total fee (37 C.F.R. § 3.41).....\$ 40.00

- Enclosed
- Authorized to be charged to Deposit Account

8. Deposit Account Number: 19-0036

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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.

Donald J. Featherstone
 Name of Person Signing
 Registration No. 33,876

Donald J. Featherstone
 Signature

3/23/98
 Date

Total number of pages including cover sheet, attachments and document 2

OMB NO. 0651-0011 (exp. 4/94)

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

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned: Larry W. Fullerton, James L. Richards, and Ivan A. Cowie, the undersigned hereby sell(s) and assign(s) to Time Domain Corporation (the Assignee) his/her entire right, title and interest

check applicable box(es) for the United States of America (as defined in 35 U.S.C. § 100),
 and throughout the world,

in the invention known as System and Method for Position Determination by Impulse Radio for which applications for patent in the United States of America have been executed by the undersigned on 1) _____ 2) _____ 3) _____ (also known as United States Application No. to be assigned, filed herewith), in any and all applications thereon, in any and all Letters Patent(s) therefor, and in any and all reissues, extensions, renewals, reexaminations of such applications or Letters Patent(s) and divisional and continuation applications thereof, to the full end of the term or terms for which such Letters Patent(s) issue, including the right to collect for all past, present and future damages, such entire right, title and interest to be held and enjoyed by the above-named Assignee to the same extent as they would have been held and enjoyed by the undersigned had this assignment and sale not been made.

The undersigned agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such applications as the Assignee may deem necessary or expedient.

The undersigned agree(s) to execute all papers necessary in connection with any interference that may be declared concerning the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference.

The undersigned hereby represents that the undersigned has full right to convey the entire interest herein assigned, and that the undersigned has not executed, and will not execute, any agreement in conflict therewith.

The undersigned hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A. Cimbala, Esquire, Registration No. 33,201; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Strickland, Esquire, Registration No. 36,688; and Michael Q. Lee, Esquire, Registration No. 35,239, of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned on the date(s) opposite their name(s).

Date: March 23, 1998 Signature of Inventor: [Signature]
Larry W. Fullerton

Date: March 23, 1998 Signature of Inventor: [Signature]
James L. Richards

Date: March 23, 1998 Signature of Inventor: [Signature]
Ivan A. Cowie

Date: _____ Signature of Inventor: _____

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