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U.S. DEPARTMENT OF COMMERCE
Patent and Trademark Office

100924511 To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy 1. Name of conveying party(ies): 2. Name and address of receiving party(ies): Nahum Gitnik Amos Intrater Name: InfoGear Technology Additional name(s) of conveying party(ies) attached? [] Yes [] No Internal Address: Suite 200 3. Nature of Conveyance: [X] Assignment] Merger Street Address: 2055 Woodside Road] Security Agreement [] Change of Name] Other City: Redwood City State: CA Zip: 94061 Execution Date: 11/15/98 Additional name(s) & address(es) attached? [] Yes [X] 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: 11/15/98 A. Patent Application No.(s) B. Patent No.(s) 08/948,534 filed 10/9/97 Additional numbers attached?] Yes Name and address of party to whom 6. Total number of applications and patents involved: [1] correspondence concerning document should be mailed: Name: Michael A. Glenn Internal Address: 7. Total fee (37 CFR 3.41) \$ 40.00 [] Enclosed Street Address: 125 Lake Road [x] Authorized to be charged to deposit account 8. Deposit account number: 07-1445 Please debit any underpayment or credit any City: Portola Valley State: CA Zip: 94028 overpayment to the above deposit account. 17/1998 JSHABAZZ 00000009 071445 09208822 (Attach duplicate of this page if paying by deposit account) DO NOT USE THIS SPACE FC:581 40.00 CH 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. Michael A. Glenn, Reg. No. 30,176 Name of Person Signing Signature Date December 8, 1998 Total number of pages comprising cover sheet: [1]

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Commissioner of Patents and Trademarks Box Assignments Washington, DC 20231

> PATENT REEL: 9637 FRAME: 0366

Attorney Docket No. INFG0011

ASSIGNMENT

WHEREAS, We, Nahum Gitnik and Amos Intrater, hereinafter referred to as "ASSIGNORS", have invented certain new and useful improvements, as described and set forth in the belowidentified application for United States Letters Patent:

Title of Invention:

FAST CONTINUOUS TELEPHONE LINE FAULT DETECTION

WHEREAS, infoGear Technology Corporation, a corporation duly organized under and pursuant to the laws of the State of California, and having its principal place of business at 2055. Woodside Road, Suite 200, Redwood City, CA 94061, hereinafter referred to as "ASSIGNEE", is desirous of acquiring the entire right, title, and interest in the said invention and application and in any Letters Patent which may be granted with regard to the same;

NOW, THEREFORE, TO ALL WHOM IT MAY CONCERN: Be it known that, for One Dollar (\$1.00) and other good and valuable consideration, ASSIGNORS have sold, assigned, and transferred, and by these presents does sell, assign, and transfer unto the said ASSIGNEE, and ASSIGNEE'S successors and assigns, all right, title, and interest in and to said invention, said application for United States Letters Patent and any Letters Patent which may be hereafter granted on the same in the United States and all countries throughout the world, including any divisions, renewals, continuations in whole or part, substitutions, conversions, reissues, revivals, prolongation, or extensions thereof, said interest to be held and enjoyed by said ASSIGNEE as fully and exclusively as it would have been held and enjoyed by said ASSIGNORS, had this assignment and transfer not been made, for all time.

ASSIGNORS further agree that they will, without charge to said ASSIGNEE, but at ASSIGNEE'S expense, cooperate with ASSIGNEE in the prosecution of said application and/or applications, execute, verify, acknowledge, and deliver all such further papers, including applications for Letters Patent and for the reissue thereof, and instruments of assignment and transfer thereof, arid will perform such other acts as ASSIGNEE may lawfully request, to obtain or maintain Letters Patent for said invention and improvement in any and all countries, and to vest title thereto in said ASSIGNEE or ASSIGNEE'S successors and assigns.

IN TESTIMONY WHEREOF, ASSIGNORS have hereunto signed their names to the assignment

on the date indicated below. January M. Gitnik/

Nov. - 15-1998

PATENT **REEL: 9637 FRAME: 0367**