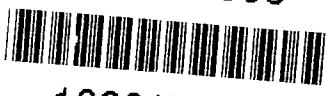


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DEPARTMENT OF COMMERCE Trademark Office

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

1. Name of conveying party(ies) **FINANCE SECTION**
Hossein Sedarat; Kevin Dean Fisher

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

2. Name and address of receiving party(ies):
Name: **2Wire, Inc.**

Internal Address: _____
Street Address: **1704 Automation Parkway**

3. Nature of Conveyance:
 Assignment Merger
 Security Agreement Change of Name
 Other _____
Execution Date: 12/13/2004, 12/13/2004

City: **San Jose** State: **CA** Zip: **95131**
Country: **USA**
Additional name(s)& address(es) attached? No Yes

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)
10/948,406

B. Patent No.(s)

Additional numbers attached? No Yes

5. Name and address of party to whom correspondence concerning document should be mailed:
Name: **Blakely, Sokoloff, Taylor & Zafman LLP**
Internal Address: _____
Street Address: **12400 Wilshire Boulevard**
7th Floor
City: **Los Angeles** State: **CA** ZIP: **90025**

6. Total number of applications and patents involved: **1**
7. Total Fee (37 CFR 3.41).....\$ **40.00**
 Enclosed
 Authorized to be charged to deposit account
8. Deposit Account Number:
02-2666
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9. Statement and signature.
To the best of my knowledge and belief, the foregoing is true and correct and any attached copy is a true copy of the original document.

01/11/2005 DBYRNE 00000016 10948406
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Thomas S. Ferrill
Name of Person Signing

Thomas Ferrill
Signature

1-4-05
Date

Total number of pages including cover sheet, attachments, and document: **3**

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Docket No. 6491P079

PATENT
REEL: 016130 FRAME: 0763

ASSIGNMENT

In consideration of good and valuable consideration, the receipt of which is hereby acknowledged, we, the undersigned:

Hossein Sedarat; Kevin Dean Fisher

hereby sell, assign, and transfer to:

2Wire, Inc.

a Corporation of Delaware, having a principal place of business at 1704 Automation Parkway, San Jose, California 95131 USA ("Assignee"), and its successors, assigns, and legal representatives, the entire right, title, and interest for the United States and all foreign countries, in and to any and all inventions and improvements that are disclosed in the application for the United States patent filed on September 22, 2004, and assigned Application No. 10/948,406 and is entitled:

Method and Apparatuses for Detecting and Reducing Non-Linear Echo in a Multi-Carrier Communication System

and in and to said application and all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications that have been or shall be filed in the United States and all foreign countries on any of said inventions and improvements; and in and to all original and reissued patents that have been or shall be issued in the United States and all foreign countries on said inventions and improvements; and in and to all rights of priority from the filing of said United States applications;

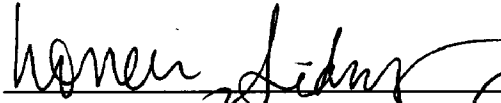
agree that said Assignee may apply for and receive a patent or patents for said inventions and improvements in its own name; and that, when requested, without charge to, but at the expense of, said Assignee, its successors, assigns, and legal representatives, to carry out in good faith the intent and purpose of this Assignment, the undersigned will execute all design, utility, divisional, continuing, continuation-in-part, substitute, renewal, reissue, and all other patent applications on any and all said inventions and improvements; execute all rightful oaths, assignments, power of attorney, and other papers; communicate to said Assignee, its successors, assigns, and legal representatives all facts known to the undersigned relating to said inventions and improvements and the history thereof; and generally assist said Assignee, its successors, assigns, or legal representatives in securing and maintaining proper patent protection for said inventions and improvements and for vesting title to said inventions and improvements, and all applications for patents and all patents on said improvements, in said Assignee, its successors, assigns, and legal representatives; and

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

Each Inventor: Please Sign and Date Below:

12/13/04

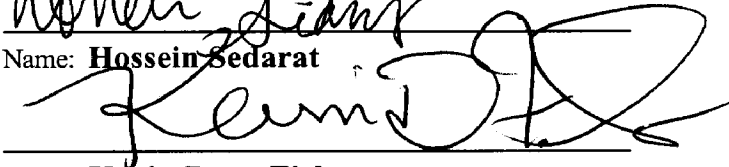
Date



Name: **Hossein Sedarat**

12/13/04

Date



Name: **Kevin Dean Fisher**

Date

Name:

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Name:

Date

Name:

Date

Name:

Date

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Date

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BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP
12400 Wilshire Boulevard, 7th Floor
Los Angeles, CA 90025
Telephone: (408) 720-8300