To the Director of the U.S. Patent and Trademark Office: Please record the attached documents or the new address(es) below.

1. Name of conveying party(ies):
Hossein Sedarat

2. Name and address of receiving party(ies):
Name: 2Wire, Inc.
Internal Address:
Street Address: 1704 Automation Parkway
City: San Jose State: CA Zip: 95131
Country: United States

3. Nature of Conveyance:
☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other
Execution Date: 6/1/06

4. Application number(s) or patent number(s):
☒ This document is being filed together with a new application.

A. Patent Application No.(s)

11/377,114

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
Phone Number: (408) 720-8300
Fax Number: (408) 720-8383
E-mail Address: tom_ferrill@bstz.com

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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Thomas S. Ferrill
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Signature

Date

Total number of pages including cover sheet, attachments, and document: 5

Documents to be recorded (including cover sheet) should be faxed to (571) 273-0140, or mailed to:
Mail Stop Assignment Recordation Services
Director of the US Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450

Docket No. 6491P092

PATENT
REEL: 018088 FRAME: 0691
ASSIGNMENT

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

Hossein Sedarat

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 United States ("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 March 15, 2006, and assigned Application No. 11/377,114 and is entitled:

Methods and Apparatuses of Measuring Impulse Noise Parameters in Multi-Carrier Communication Systems

and in and to said application and all provisional, 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 provisional, 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:

6/11/06
Date
Name: Hossein Sedarat

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6491P092