

09-16-2003



SHEET

102551597

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

1. Name of conveying party(ies):

Pentech Financial Services, Inc.
310 W. Hamilton Ave,
Suite 202
Campbell, CA 95008

9-12-03

☐ Additional name(s) of conveying party(ies) attached.

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

Name:

Northstar Acquisitions, LLC

Address:

280 Valley Street
Los Altos, CA 94022

☐ Additional name(s) & address(es) attached.

3. Nature of conveyance:

Execution Date: 07/22/2003

- ☒ Assignment
☐ Security Agreement
☐ Merger
☐ License

- ☐ Change of Name
☐ Change of Address
☐ Other:

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 Number(s):

09/750,592
09/753,182
09/836,752
09/879,603
09/899,347
09/962,944

B. Patent Number(s):

5,751,516	6,137,784
5,805,576	6,173,191
6,041,232	6,192,038B1
6,108,385	6,212,387
6,112,058	6,349,094
6,131,034	

Additional numbers attached? ☐ Yes ☒ No

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

Name:

Douglas J. Ryder

Address:

Ryder IP Law, PC
3669 Concord Road
Doylestown, PA 18901

6. Total number of applications and patents involved: 17

7. Total fee (37 CFR 3.41):

\$ 680.00

- ☒ Enclosed
☐ Authorized to be charged to deposit
account number:

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

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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.

Douglas J. Ryder

Name of Person Signing

Signature

09/08/03

Date

Total number of pages including cover sheet, attachments, and document(s): 4

09/16/2003 LMUELLER 00000055 09750592

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680.00 DP

PATENT
REEL: 014484 FRAME: 0037

ORIGINAL

ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, Pentech Financial Services, Inc., a California corporation, having offices at 310 W. Hamilton Ave, Suite 202, Campbell, CA 95008 ("Assignor"), does hereby sell, assign, transfer and convey unto Northstar Acquisitions, LLC, a Delaware Corporation, having an office at 280 Valley St., Los Altos, CA 94022 ("Assignee") or its designees, all of Assignor's right, title and interest in and to the patent applications and patents listed below, any patents issuing on any patent applications listed in the attached document, entitled "Patents to be Assigned", the inventions disclosed in any of the foregoing, any and all counterpart United States, international and foreign patents, applications and certificates of invention based upon or covering any portion of the foregoing and all reissues, divisionals, renewals, extensions, provisionals, continuations and continuations-in-part of any of the foregoing (collectively "Patent Rights"):

Assignor represents, warrants and covenants that: (i) it is the sole owner, assignee and holder of record title to the Patent Rights identified above, (ii) it has obtained and properly recorded previously executed assignments for all patent applications and patents identified above as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction, and (iii) it has full power and authority to make the present assignment. Assignor shall indemnify and hold harmless Assignee for any breach of the foregoing.

Assignor further agrees to and hereby does sell, assign, transfer and convey unto Assignee all rights: (i) in and to causes of action and enforcement rights for the Patent Rights including all rights to pursue damages, injunctive relief and other remedies for past and future infringement of the Patent Rights, and (ii) to apply in any or all countries of the world for patents, certificates of invention or other governmental grants for the Patent Rights, including without limitation under the Paris Convention for the Protection of Industrial Property, the International Patent Cooperation Treaty, or any other convention, treaty, agreement or understanding. Assignor also hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents or certificates of invention which may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

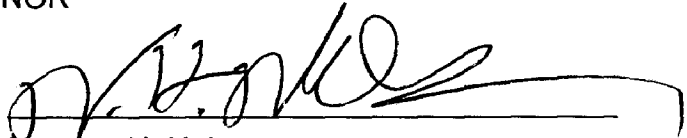
Assignor will, at the reasonable request of Assignee and without demanding any further consideration therefor, do all things necessary, proper, or advisable, including without limitation the execution, acknowledgment and recordation of specific assignments, oaths, declarations and other documents on a country-by-country basis, to assist Assignee in obtaining, perfecting, sustaining, and/or enforcing the Patent Rights. Such assistance shall include providing, and obtaining from the respective inventors, prompt production of pertinent facts and documents, giving of testimony, execution of petitions, oaths, powers of attorney, specifications, declarations or other papers and other assistance reasonably necessary for filing patent applications, complying with any duty of disclosure, and conducting prosecution, reexamination, reissue, interference or other priority proceedings, opposition proceedings, cancellation proceedings, public use proceedings, infringement or other court actions and the like with respect to the Patent Rights.

The terms and conditions of this Assignment shall inure to the benefit of Assignee, its successors, assigns and other legal representatives, and shall be binding upon Assignor, its successor, assigns and other legal representatives.

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Campbell, CA, on July 22, 2003.

ASSIGNOR

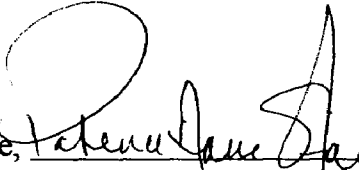
By:


Norman H. Nelson
President & COO

ACKNOWLEDGMENT

State of California)

County of Santa Clara)

On 7/22/03 before me,  personally appeared Norman H. Nelson known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to within instrument and acknowledged to me that s/he executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument. WITNESS my hand and official seal.

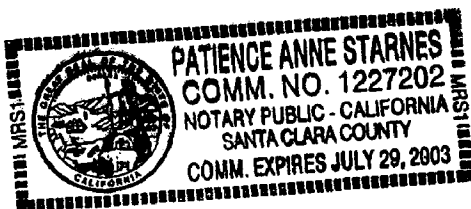


Exhibit A

Patents to be Assigned

Patent Number	Serial Number	Date Filed	Appl. Published	Date Issued	Patent Name
5715516	08/ 544913	10/18/95		02/03/98	"Method and Apparatus for Wireless Communication Employing Collector Arrays"
5805576	08/ 634141	04/19/96		09/08/98	"Method and Apparatus for TDMA Wireless Communication Employing Collector Arrays for Range Extension"
6108385	08/ 679424	07/08/96		08/22/00	"Method and Apparatus for Reducing Intermodulation Distortion in Digital Wideband Transmission Systems"
6192038B1	08/ 801711	02/14/97		02/20/01	"Method and Apparatus for Wireless Communication Employing Aggregation for Digital Signals"
6137784	08/ 889881	07/03/97		10/24/00	"Method and Apparatus for Wireless Communication Employing Control of Confidence Metric Bandwidth Reduction"
6112058	08/ 866700	07/03/97		08/29/00	"Method and Apparatus for Wireless Communication Employing Confidence Metric Processing for Bandwidth Reduction"
6041232	08/ 997155	12/23/97		03/21/00	"Aggregation of Shaped Directional Receiving Antenna Array for Improved Location Information"
6173191	09/ 001370	12/31/97		01/09/01	"Improved Localization of Shaped Directional Transmitting and Transmitting/Receiving Antenna Array"
6131034	09/ 017189	02/02/98		10/10/00	"Method and Apparatus for Collector Arrays in Wireless Communication Systems"
6212387	09/ 017188	02/02/98		04/03/01	"Method and Apparatus for Collector Arrays of Directional Antennas Co-Located with Zone Managers in Wireless Communications Systems"
6349094	09/ 383160	08/25/99		02/19/02	"Method and Apparatus for Wireless Communication Employing Control for Broadcast Transmission" (FMS)
	09/ 753182	01/02/01	10/18/01		"Dynamic Channel Allocation in Multiple-Access Communications Systems"
	09/ 750592	12/28/00			"System for Fast Macrodiversity Switching in Mobile Wireless Networks" (ZM)
	09/ 836752	04/17/01	07/11/02		"Fast Macrodiversity Switching With Interleaving in Mobile Wireless Networks"
	09/ 879603	06/12/01			"Fast Macrodiversity Switching With Timing Management in Wireless Networks"
	09/ 899347	07/05/01	04/04/02		"Predictive Collision Avoidance in Macrodiverse Wireless Networks With Frequency Hopping Using Switching"
	09/ 962944	09/24/01			"Collision Avoidance in Wireless Networks With Frequency Hopping Using Virtual Cell Hopping Sequence Mapping"