ORTHO-004XX	
Rev 05/03	U.S. DEPARTMENT OF COMMERCE Fatent and Trademark Office
RECORDATION FORM COVER SHEET PATENTS ONLY	
To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies)	2. Name and address of receiving party(ies)
Philip A. Bolt Timothy G. Wild	Name: Piping Hot Networks Limited
Gregor R. Dean Paul Clark	Internal Address:
Peter N. Strong Richard A. Carter Antony C. Holmes	Street Address: Unit Al, Linhay Business Fark, Eastern Road
Colin H.V. Spier Nigel J.R. King	City: Ashburton, Devon State: Zip: TQ13 7UP
Additional name(s) of conveying party(ies) Attached? [] Yes [X] No	Country: United Kingdom Additional name(s) & address(es) attached? [] Yes [X] No
3. Nature of conveyance:	
[X] Assignment [] Merger [] Security Agreement [] Change of Name	·
[] Other: Execution Date: 6/10/05; 6/9/05; 6/6/05; 6/9/05; 6/6/05; 6/9/05; 6/6/05; 6/6/05 respectively	
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) B. Patent No.(s) 11/115,979	
Additional numbers attached? [] Yes [X] No	
5. Name and address of party to whom correspondence concerning document should be faxed:	6. Total number of applications and patents Involved [1]
Victor B. Lebovici Weingarten, Schurgin, Gagnebin & Lebovici LLP Ten Post Office Square Boston, Massachusetts 02109	
Tel: (617) 542-2290 Fax: (617) 451-0313	
	7. Total fee (37 CFR 3.41)\$40.00
	[] Enclosed [X] Authorized to be charged to deposit account
	8. Deposit account number: 23-0804 (Attach duplicate copy of this page if paying by deposit account)
DO NOT USE THIS SPACE	
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.	
Attorney Name: Victor B. Lebovici Registration No. 30,864	
Signature: Date: 6-2/-05 Total number of pages including cover sheet, attachments, and document: [12]	

Mail documents to be recorded with required cover sheet information to:

Mail Stop Assignment Recordation Services

Director of U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450

PATENT

<u>ASSIGNMENT</u>

In consideration of One Dollar and other good and valuable consideration, the receipt of which is hereby acknowledged, we,

Philip A. Bolt, residing at Redway House, Coombe Shute, Stoke Gabriel, Devon TQ96RG United Kingdom,

Timothy G. Wild, residing at 3 Church Park Close, Diptford, Totnes, Devon TQ97PH United Kingdom,

Gregor R. Dean residing at 5 Townsend Avenue, Seaton, Devon EX122AZ United Kingdom,

Paul Clark residing at 180 Roselands Drive, Paignton, Devon TQ47RW United Kingdom,

Peter N. Strong residing at Laurels, East St., Ipplepen, Newton Abbot, Devon TQ125SU United Kingdom,

Richard A. Carter residing at, 5 Alta Vista Road, Paignton TQ46DB United Kingdom,

Antony C. Holmes residing at 14 Castle Road, Torquay, Devon TQ13BG United Kingdom,

Colin H.V. Spier residing at Mizpah, 13 Tappers Close, Topsham, Exeter, Devon EX3 ODG United Kingdom, and

Nigel J.R. King residing at Culverwood, Rattery, South Brent, Devon TQ109LF United Kingdom,

hereby sell and assign to PIPING HOT NETWORKS LIMITED, a United Kingdom corporation, having a principal place of business at Unit Al, Linhay Business Park, Eastern Road, Ashburton, Devon, United Kingdom TQ13 7UP, its successors and assigns, the entire right, title and interest, including the right to claim priority under the International Convention, throughout the United States, its territories and all foreign countries in and to our invention in

INTELLIGENT SPECTRUM MANAGEMENT IN A MULTIPLE INPUT MULTIPLE OUTPUT (MIMO) WIRELESS COMMUNICATIONS SYSTEM

and the application for United States Letters Patent therefor filed on April 27, 2005, Application No. 11/115,979, and such patents as may issue thereon, and all divisions, reissues and continuations and continuations-in-part thereof.

And we hereby covenant that we have full right to make such assignment, and agree for ourselves and our executors and administrators that we will, at the expense of said PIPING HOT NETWORKS LIMITED, execute all applications for patents in foreign countries, execute all divisional, continuing, reissue and re-examination applications, make all rightful oaths, sign all lawful papers, testify in any proceeding in which said invention or any application or patent directed thereto may be involved, and generally do everything possible to aid said PIPING HOT NETWORKS LIMITED, its successors and assigns, to obtain and enforce proper patent protection for said invention in the United States, its territories and all foreign countries.

And we hereby authorize and request the Commissioner of Patents and Trademarks of the United States to issue all Letters Patent on said invention or resulting therefrom to PIPING HOT NETWORKS LIMITED, its successors and assigns.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

Date: 10/6/05.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

Date: 9/6/5.

Witness (Signature)

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

por Des Date: 6 June 2005

MOZNEUSTE M.

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

______ Date: 9/6/05

J.M. STEVENSON

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

JV = Dater N. Strong Date: 6 JaNF 2005

Witness (Signature)

Date: 6/6/05

Witness (Please Print Name)

. -7-

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

Date: 09-06-05

tuens Date: 9/6/05

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

Antony C. Holmes

Date: 6/6/2005.

Witness (Signature)

Date: 6/6/05 .

Witness (Please Print Name)

-9-

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

Colin H.V. Spier

Date: 6 June 2005

Witness (Signature)

Date: 6/6/05

Witness (Please Print Name)

IN WITNESS WHEREOF, we have hereunto set our hands and affixed our seals.

WSGL

NATURE Date: 6 June 2005

RECORDED: 06/21/2005

319165

-11-

PATENT REEL: 016370 FRAME: 0393