

**PATENT ASSIGNMENT**

Electronic Version v1.1  
 Stylesheet Version v1.1

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT
EFFECTIVE DATE:	02/15/2007

**CONVEYING PARTY DATA**

Name	Execution Date
QinetiQ Limited Company No. 3796233	02/15/2007

**RECEIVING PARTY DATA**

Name:	VocalComm Group, LLC
Street Address:	2711 Centerville Road, Suite 400
City:	Wilmington
State/Country:	DELAWARE
Postal Code:	19808

**PROPERTY NUMBERS Total: 24**

Property Type	Number
Patent Number:	5230076
Patent Number:	4885715
Patent Number:	5020015
Patent Number:	4991963
Patent Number:	6294017
Patent Number:	4882552
Patent Number:	5387541
Patent Number:	5453940
Patent Number:	5493516
Patent Number:	5835682
Patent Number:	5461389
Patent Number:	5635997
Patent Number:	5905482
Patent Number:	5841528

**OP \$960.00 5230076**

**PATENT**

Patent Number:	5879449
Patent Number:	6600509
Patent Number:	6477277
Patent Number:	6631033
Patent Number:	6726767
Patent Number:	6980353
Application Number:	10551628
Application Number:	10577660
Application Number:	10589530
Application Number:	11597125

**CORRESPONDENCE DATA**

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ATTORNEY DOCKET NUMBER:	9664-001
NAME OF SUBMITTER:	Alan T. McCollom

Total Attachments: 5  
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## ASSIGNMENT OF PATENT RIGHTS

For good and valuable consideration, the receipt of which is hereby acknowledged, QinetiQ Limited Company No. 3796233, a British company, with an office at 85 Buckingham Gate, London SW1E 6PD, UK, ("*Assignor*"), does hereby sell, assign, transfer, and convey unto VocalComm Group, LLC, a Delaware limited liability company, with an address at 2711 Centerville Road, Suite 400, Wilmington, DE 19808 ("*Assignee*"), or its designees, all right, title, and interest that exist today and may exist in the future in and to any and all of the following (collectively, the "*Patent Rights*"):

(a) the provisional patent applications, patent applications and patents listed in the table below (the "*Patents*");

(b) all patents and patent applications (i) to which any of the Patents directly or indirectly claims priority, and/or (ii) for which any of the Patents directly or indirectly forms a basis for priority;

(c) all reissues, reexaminations, extensions, continuations, continuations in part, continuing prosecution applications, requests for continuing examinations, divisions, registrations of any item in any of the foregoing categories (a) and (b);

(d) all foreign patents, patent applications, and counterparts relating to any item in any of the foregoing categories (a) through (c), including, without limitation, certificates of invention, utility models, industrial design protection, design patent protection, and other governmental grants or issuances;

(e) all items in any of the foregoing in categories (b) through (d), whether or not expressly listed as Patents below and whether or not claims in any of the foregoing have been rejected, withdrawn, cancelled, or the like;

(f) all inventions, invention disclosures, and discoveries described in any item in any of the foregoing categories (a) through (e) and all other rights arising out of such inventions, invention disclosures, and discoveries;

(g) all rights to apply in any or all countries of the world for patents, certificates of invention, utility models, industrial design protections, design patent protections, or other governmental grants or issuances of any type related to any item in any of the foregoing categories (a) through (f), 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;

(h) all causes of action (whether known or unknown or whether currently pending, filed, or otherwise) and other enforcement rights under, or on account of, any of the Patents and/or any item in any of the foregoing categories (b) through (g), including, without limitation, all causes of action and other enforcement rights for

- (i) damages,
- (ii) injunctive relief, and
- (iii) any other remedies of any kind

for past, current, and future infringement; and

- (i) all rights to collect royalties and other payments under or on account of any of the Patents and/or any item in any of the foregoing categories (b) through (h).

Office Case Number	Application Number	Patent Number	Country	Filing Date	Title	First Named Inventor
01P 0163	494055	1333921	CA	29-Oct-1985	Ionospheric sounder	Wilkinson
01P 0163	06/807972	5230076	US	29-Oct-1985	Ionospheric sounder	Wilkinson
01P 0200	07/021939	4885715	US	05-Mar-1987	Digital processor	McCanny
01P 0295	07/359755	5020015	US	26-Nov-1987	Digital correlator	Jones
01P 0491	88902896.5	0356443	GB	31-Mar-1988	Interferometer	Sutton
01P 0491	07/424094	4991963	US	31-Mar-1988	Interferometer	Sutton
01P 0516	8815266.5	2206424	GB	27-Jun-1988	Semiconductor single crystals	Hurle
01P 0516	505531/88	2614298	JP	27-Jun-1988	Semiconductor single crystals	Hurle
01P 0516	08/020443	6294017	US	27-Jun-1988	Semiconductor single crystals	Hurle
01P 0568	07/296243	4882552	US	12-Jan-1989	Digital modulator	Harris
01P 0929	08/050401	5387541	US	18-Nov-1991	Silicon-on-porous-silicon	Hodge
01P 0984	2104949	2104949	CA	03-Mar-1992	Dynamical system analyser	Broomhead
01P 0984	69231420.2-08	69231420.2-08	DE	03-Mar-1992	Dynamical system analyser	Broomhead
01P 0984	92906383.2	0585237	GB	03-Mar-1992	Dynamical system analyser	Broomhead
01P 0984	92906383.2	0585237	IT	03-Mar-1992	Dynamical system analyser	Broomhead
01P 0984	505554/92	3040471	JP	03-Mar-1992	Dynamical system analyser	Broomhead
01P 0984	92906383.2	0585237	NL	03-Mar-1992	Dynamical system analyser	Broomhead
01P 0984	08/119138	5453940	US	03-Mar-1992	Dynamical system analyser	Broomhead
01P 0984	08/404098	5493516	US	03-Mar-1992	Dynamical system analyser	Broomhead
01P 0984	08/551732	5835682	US	03-Mar-1992	Dynamical system analyser	Broomhead
01P 2069	08/244889	5461389	US	14-Dec-1992	Digital beamforming array	Dean
01P 2106	2139734	2139734	CA	16-Jun-1993	Colour display device	Lewis
01P 2106	93913391.4	69316366.6-08	DE	16-Jun-1993	Colour display device	Lewis
01P 2106	93913391.4	ES2111161 T3	ES	16-Jun-1993	Colour display device	Lewis
01P 2106	93913391.4	0650651	FR	16-Jun-1993	Colour display device	Lewis
01P 2106	93913391.4	0650651	GB	16-Jun-1993	Colour display device	Lewis
01P 2106	93913391.4	53124BE97	IT	16-Jun-1993	Colour display device	Lewis
01P 2106	503061/94	3441073	JP	16-Jun-1993	Colour display device	Lewis
01P 2106	95-700076	0302031	KR	16-Jun-1993	Colour display device	Lewis
01P 2106	93913391.4	0650651	NL	16-Jun-1993	Colour display device	Lewis

01P 2106	08/367256	5635997	US	16-Jun-1993	Colour display device	Lewis
01P 2257	08/722062	5905482	US	29-Oct-1996	Ferroelectric liquid crystal device with greyscale	Hughes
01P 2259	95918064.7	69501618.08	DE	09-May-1995	Anticounterfeit apparatus	Lewis
01P 2259	95918064.7	ES2113201T3	ES	09-May-1995	Anticounterfeit apparatus	Lewis
01P 2259	95918064.7	0760147	FR	09-May-1995	Anticounterfeit apparatus	Lewis
01P 2259	95918064.7	0760147	GB	09-May-1995	Anticounterfeit apparatus	Lewis
01P 2259	08/737293	5841528	US	09-May-1995	Anticounterfeit apparatus	Lewis
01P 2262	08/750871	5879449	US	06-Jun-1995	Crystal growth	Beswick
01P 2476	97935697.9		EP	07-Aug-1997	Detection system	Radford
01P 2476	9825151.5	2328741	GB	07-Aug-1997	Detection system	Radford
01P 2476	509526/98		JP	07-Aug-1997	Detection system	Radford
01P 2476	09/194207	6600509	US	07-Aug-1997	Detection system	Radford
01P 2615	81228/98	742625	AU	26-Jun-1998	Data encoding system	Chippendale
01P 2615	98930955.4	0929969	BE	26-Jun-1998	Data encoding system	Chippendale
01P 2615	2264742		CA	26-Jun-1998	Data encoding system	Chippendale
01P 2615	98930955.4	0929969	CH	26-Jun-1998	Data encoding system	Chippendale
01P 2615	98930955.4	69810070.0-08	DE	26-Jun-1998	Data encoding system	Chippendale
01P 2615	98930955.4	0929969	FR	26-Jun-1998	Data encoding system	Chippendale
01P 2615	98930955.4	0929969	GB	26-Jun-1998	Data encoding system	Chippendale
01P 2615	98930955.4	0929969	IT	26-Jun-1998	Data encoding system	Chippendale
01P 2615	11-506622		JP	26-Jun-1998	Data encoding system	Chippendale
01P 2615	1999-7001840	549976	KR	26-Jun-1998	Data encoding system	Chippendale
01P 2615	98930955.4	0929969	NL	26-Jun-1998	Data encoding system	Chippendale
01P 2615	09/254146	6477277	US	26-Jun-1998	Data encoding system	Chippendale
01P 2733	23037/00	768021	AU	27-Jan-2000	Optical filters	Lewis
01P 2733	2359666		CA	27-Jan-2000	Optical filters	Lewis
01P 2733	2000-596399		JP	27-Jan-2000	Optical filters	Lewis
01P 2733	09/890142	6631033	US	27-Jan-2000	Optical filters	Lewis
01P 2739	99946329.2		EP	13-Sep-1999	Layer processing	Marrs
01P 2739	09/763414	6726767	US	13-Sep-1999	Layer processing	Marrs
01P 3180	2426116		CA	15-Oct-2001	Frequency Synthesiser	Watson
01P 3180	01978578.1	1327298	DE	15-Oct-2001	Frequency Synthesiser	Watson
01P 3180	01978578.1	1327298	FR	15-Oct-2001	Frequency Synthesiser	Watson
01P 3180	01978578.1	1327298	GB	15-Oct-2001	Frequency Synthesiser	Watson
01P 3180	2002-536705		JP	15-Oct-2001	Frequency Synthesiser	Watson
01P 3180	10/399654	6980353	US	15-Oct-2001	Frequency Synthesiser	Watson
01P 7214	04724633.5		EP	31-Mar-2004	Joint Detection and Decoding in MIMO	Dean
01P 7214	2006-506063		JP	31-Mar-2004	Joint Detection and Decoding in MIMO	Dean
01P 7214	10/551628		US	31-Mar-2004	Joint Detection and Decoding in MIMO	Dean
01P 7305	04769017.7		EP	25-Oct-2004	Steganographic tools detection	Hicks
01P 7305	10/577660		US	25-Oct-2004	Steganographic tools detection	Hicks

01P 7311	05708328.9		EP	15-Feb-2005	Frequency compensation for communications	Warner
01P 7311	2006-553647		JP	15-Feb-2005	Frequency compensation for communications	Warner
01P 7311	10/589530		US	15-Feb-2005	Frequency compensation for communications	Warner
01P 7348	05744988.6		EP	18-May-2005	Hyperlinks	Wonnacott
01P 7348	11/597125		US	18-May-2005	Hyperlinks	Wonnacott

Assignor represents, warrants and covenants that:

(1) Assignor has the full power and authority, and has obtained all third party consents, approvals and/or other authorizations required to enter into this Agreement and to carry out its obligations hereunder, including the assignment of the Patent Rights to Assignee; and

(2) Assignor owns, and by this document assigns to Assignee, all right, title, and interest to the Patent Rights, including, without limitation, all right, title, and interest to sue for infringement of the Patent Rights. Assignor has obtained and properly recorded previously executed assignments for the Patent Rights as necessary to fully perfect its rights and title therein in accordance with governing law and regulations in each respective jurisdiction. The Patent Rights are free and clear of all liens, claims, mortgages, security interests or other encumbrances, and restrictions. There are no actions, suits, investigations, claims or proceedings threatened, pending or in progress relating in any way to the Patent Rights. There are no existing contracts, agreements, options, commitments, proposals, bids, offers, or rights with, to, or in any person to acquire any of the Patent Rights.

The liabilities of Assignor under the foregoing warranties of Assignor shall exclude any liability for any facts, omissions or circumstances arising solely from the actions of the Assignee and shall exclude any issues notified to Assignee in writing


Assignor hereby authorizes the respective patent office or governmental agency in each jurisdiction to issue any and all patents, certificates of invention, utility models or other governmental grants or issuances that may be granted upon any of the Patent Rights in the name of Assignee, as the assignee to the entire interest therein.

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

IN WITNESS WHEREOF this Assignment of Patent Rights is executed at Malvern  
UK on 15<sup>th</sup> February 2007.

ASSIGNOR:

**QinetiQ Limited Company**

By:   
Name: GRANT T BROWN  
Title: COMMERCIAL DIRECTOR  
(Signature MUST be attested)

#### ATTESTATION

The undersigned witnessed the signature of GRANT BROWN to the above Assignment of Patent Rights on behalf of QinetiQ Limited Company and makes the following statements:

1. I am over the age of 18 and competent to testify as to the facts in this Attestation block if called upon to do so.
2. GRANT BROWN is personally known to me (or proved to me on the basis of satisfactory evidence) and appeared before me on FEBRUARY 15<sup>TH</sup> 2007 to execute the above Assignment of Patent Rights on behalf of QinetiQ Limited Company.
3. GRANT BROWN subscribed to the above Assignment of Patent Rights on behalf of QinetiQ Limited Company.

I declare under penalty of perjury under the laws of the United States of America that the foregoing is true and correct.

EXECUTED on 15<sup>th</sup> Feb 2007 (date)

  
Print Name: J. E. SUTTON.