

FORM PTO-1619A



06-17-2002



U.S. Department of Commerce  
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**PATENT**

**RECORD.**

102124504  
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TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

**Submission Type**

- New
- Resubmission (Non-Recordation)  
Document ID# \_\_\_\_\_
- Correction of PTO Error  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_
- Corrective Document  
Reel # \_\_\_\_\_ Frame # \_\_\_\_\_

6-11-02

**Conveyance Type**

- Assignment
- License
- Merger
- Security Agreement
- Change of Name
- Other \_\_\_\_\_

**Conveying Party(ies)**

Name (line 1) **James Digby Yarlet COLLIER John**  
 Name (line 2) **(A CITIZEN OF GREAT BRITAIN)**  
*Second Party*  
 Name (line 1) **Justin David PENFOLD**  
 Name (line 2) **(A CITIZEN OF GREAT BRITAIN)**

Mark if additional names of conveying parties attached  
 Execution Date **May 5, 2002**  
 Execution Date **May 5, 2002**

**Receiving Party**

Name (line 1) **CAMBRIDGE SILCON RADIO LTD**  
 Name (line 2) **(A CORPORATION OF GREAT BRITAIN)**  
 Address (line 1) **Unit 300 Science Park**  
 Address (line 2) **Milton Road**  
 Address (line 3) **Cambridge CB4 OXL, Great Britain**

Mark if additional names of receiving parties attached  
 If document to be recorded is an assignment and the receiving party is not domiciled in the U.S., an appointment of domestic representative is attached.

**Domestic Representative Name and Address**

Name: G. Franklin Rothwell  
 Address (line 1): Rothwell, Figg, Ernst & Manbeck  
 Address (line 2): 1425 K Street, N.W.  
 Address (line 3): Suite 800  
 Address (line 4): Washington, D.C. 20005

Enter for the First Receiving Party only.

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**PATENT**  
**REEL: 12979 FRAME: 0910**

**Correspondent Name and Address**

CUSTOMER 6449

Area Code and Telephone Number: 202/783-6040

Name: G. Franklin Rothwell

Address (line 1): Rothwell, Figg, Ernst &amp; Manbeck

Address (line 2): 1425 K Street, N.W.

Address (line 3): Suite 800

Address (line 4): Washington, D.C. 20005

**Pages**Enter the total number of pages of the attached conveyance document  
including any attachments

# 1

**Application Number(s) or Patent Number(s)**

[ ] Mark if additional numbers attached

*Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property)*

Patent Application Number(s):

**10/048,714**

Patent Number(s):

If this document is being filed together with a new Patent Application, enter the date of the patent application was signed by the first named executing inventor.**Patent Cooperation Treaty (PCT)**Enter PCT application Number  
only if a U.S. Application Number  
has not been assigned

PCT

**Number of Properties**

Enter the total number of properties involved. # 1

**Fee Amount**Fee Amount for Properties Listed (37 CFR 3.41): **\$40.00**Method of Payment:  Check Enclosed  Deposit Account  Credit Card

Deposit Account

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: 02-2135

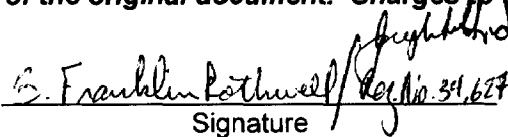
Authorization to charge additional fees: Yes  No **Statement and Signature*****To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.***

G. Franklin Rothwell

Name of Person Signing

Registration No. 18,125

Docket No. 1417-217

  
Signature

June 11, 2002

Date

Attorney Docket No. 1417-217

ASSIGNMENT

WHEREAS, WE, James Digby Yarlet COLLIER, a citizen of Great Britain, residing at Church Farm, Chettisham, Ely, Cambridgeshire, CB6 1SB, Great Britain and Justin David John PENFOLD, a citizen of Great Britain, residing at The Old Smithy, Depden Green, Bury St. Edmunds, Suffolk, IP29 4BY, Great Britan, are the inventors of an invention in PHASE SHIFTING ARRANGEMENT for which we have executed an application for Letters Patent of the United States, as International Application No. PCT/GB00/02762, filed on July 18, 2000; and

WHEREAS, CAMBRIDGE SILICON RADIO LTD, incorporated in Great Britain, with a place of business at Unit 300, Science Park, Milton Road Cambridge CB4 0XL, Great Britan is desirous of obtaining the entire right, title and interest in, to and under the said invention and the said application;

NOW, THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt of which is hereby acknowledged, we the said James Digby Yarlet COLLIER, and Justin David John PENFOLD have sold, assigned, transferred and set over, and by these presents do hereby sell, assign, transfer and set over, unto the said ASSIGNEE, its successors, legal representatives and assigns, the entire right, title and interest in, to and under the said invention, and the said application and all divisions, renewals and continuations thereof, and all Letters Patent of the United States which may be granted thereon and all reissues and extensions thereof, and all applications for Letters Patent which may hereafter be filed for said invention in any country or countries foreign to the United States, and all Letters Patent which may be granted for said invention in any country or countries foreign to the United States and all extensions, renewals and reissues thereof and all rights of priority in any such country or countries based upon the filing of the said application for Letters Patent of the United States which are created by any law, treaty or international convention, and we hereby authorize and request the Commissioner of Patents of the United States, and any Official of any country or countries foreign to the United States, whose duty it is to issue patents on applications as aforesaid, to issue all Letters Patent for said invention to the said ASSIGNEE, its successors, legal representatives and assigns, in accordance with the terms of this instrument.

AND WE HEREBY covenant that we have full right to convey the entire interest herein assigned, and that we have not executed, and will not execute, any agreement in conflict herewith.

AND WE HEREBY further covenant and agree that we will communicate to said ASSIGNEE, its successors, legal representatives and assigns, any facts known to us respecting said invention, and testify in any legal proceeding, sign all lawful papers, execute all divisional, continuing and reissue applications, make all rightful oaths and generally do everything possible to aid the said ASSIGNEE, its successors, legal representatives and assigns, to obtain and enforce proper patent protection for said invention in all countries.

IN TESTIMONY WHEREOF, we hereunto set our hands and seals the day and year set opposite our respective signatures.

Date 20/5 2002 James Collier L.S.  
James Digby Yarlet COLLIER

Date 20.5 2002 J. Penfold L.S.  
Justin David John PENFOLD

X

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