

04-24-2000

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ase record the attached

1. Name of conveying party(ies):

(1) John Joseph SPICER
(2) Peter CHAMBERS

Additional name(s) of conveying
party(ies) attached?
___ yes ___ X no

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

Name: ROKE MANOR RESEARCH LIMITED
Internal Address:

Street Address: Old Salisbury Lane
Romsey Hampshire, SO51 0ZN
ENGLAND

3. Nature of Conveyance:

X Assignment ___ Merger
___ Security Agreement ___ Change of Name
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Execution Date: (1) 17 January 2000;
(2) 24 January 2000

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).

PENDING

Additional numbers attached? ___ Yes ___ X No

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

Gary R. Edwards, Esquire
Evenson, McKeown, Edwards
& Lenahan, P.L.L.C.
1200 G Street, N.W., Suite 700
Washington, D.C. 20005

6. Total number of applications and patents involved: 1

7. Total Fee (37 CFR 3.41): \$ 40.00
X Enclosed. Please charge any underpayment in
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To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy
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Name Gary R. Edwards Reg. No. 31,824

March 27, 2000
Date

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ASSIGNMENT

For good and valuable consideration, the sufficiency and receipt of which is hereby acknowledged, as a below named inventor, I hereby sell and assign to ROKE MANOR RESEARCH LIMITED

of OLD SALISBURY LANE, ROMSEY HAMPSHIRE, SO51 0ZN, UNITED KINGDOM
(hereinafter "Assignee"), its successors and assigns or other legal representatives, all my rights, title and interest, in and for the United States of America, in and to (title of invention):

"IMPROVEMENTS IN OR RELATING TO TELECOMMUNICATION SYSTEMS"

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on _____, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Assignee, its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted, as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I/we hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment extension, or interference proceedings, or otherwise to secure the title thereto in said Assignee;

The undersigned agree(s) to execute all papers and documents and perform any act which may be necessary in connection with claims or provisions of the International Union for Protection of Industrial Property or similar agreements.

The undersigned agree(s) to perform all affirmative acts which may be necessary to obtain a grant of a valid United States patent to the Assignee.

And I/we do hereby authorize and request the Commissioner of Patents to issue said Letters Patent resulting from the above-named application or any continuing or divisional applications to said Assignee as the Assignee of the entire interest, and hereby covenant that he has (they have) full right to convey the entire interest herein assigned, and that he has (they have) not executed, and will not execute, any agreement in conflict herewith.

The undersigned hereby grant(s) the law firm of EVENSON, McKEOWN, EDWARDS & LEMAHAN, P.L.L.C., 1200 G Street, N.W., Suite 700, Washington, D.C. 20005-3814, the power to insert on this assignment any further identification which may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

Full name and signature of inventor: Signature: John Spicer 17.01.00
Typed Name: John Joseph SPICER Date

Full name and signature of inventor: Signature: Peter Chambers 24/1/00
Typed Name: Peter Chambers Date

Full name and signature of inventor: Signature: _____ _____
Typed Name: _____ Date

Full name and signature of inventor: Signature: _____ _____
Typed Name: _____ Date

This assignment should preferably be signed before a United States Consul if signed abroad, or a Notary Public if domestically signed. If not, then the execution by the inventor(s) should be witnessed by at least two witnesses who sign here:

Witnesses:

Signature: _____ Date: _____

Signature: _____ Date: _____

Serial No.: _____ Filing Date: _____
8/97