

10-19-1999

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PATENTS ONLY

Our Ref.: 978-19

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Commissioner of Patents and Trademarks  
Box Assignment, Washington, D.C. 20231

To the Honorable Commissioner of Patents and Trademarks: Please record the attached original documents or copy thereof.	
1. Name of conveying party(ies): Avril J. SMITH                      John L. ADAMS OXFORD BOOKES UNIVERSITY	2. Name and address of receiving party(ies): Name: BRITISH TELECOMMUNICATIONS public limited company Internal Address: Street Address: 81 Newgate Street
Additional name/s of conveying party/ies attached? <input type="checkbox"/> 3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Assignment <input type="checkbox"/> Change of Name <input type="checkbox"/> Other	City: London State/Country: England Zip: EC1A 7AJ
Execution Date: August 19, June 7, August 20, 1999 respectively	Additional name/s & address/es attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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). (1) 08/913,270 (2) 08/999,749 (3) 08/983,268	B. (1) Patent 5,784,358 (2) (3)
Additional numbers attached <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
5. Name and address of party to whom correspondence concerning document should be mailed:  Name: Larry S. Nixon  Internal Address:  Street Address: Nixon & Vanderhve P.C. 1100 North Glebe Road 8 <sup>th</sup> Floor  City: Arlington    State: VA    Zip: 22201	6. Total number of applications & patents involved: 4  7. Total fee (37 CFR 3.41)                      \$ 160.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> Authorized to be charged to deposit account #14-1140  8. The Commissioner is hereby authorized to charge any deficiency in the fee(s) filed, or asserted to be filed, or which should have been filed herewith (or with any paper thereafter filed in this application by this firm) to our <b>Account No. 14-1140.</b>
DO NOT USE THIS SPACE	
9. Statements 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.	
Larry S. Nixon Name of Person Signing Reg. No. 25,640	 Signature October 15, 1999 Date
Total number of pages including original cover sheet, attachments, and document: [4]	

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01 FD 584 160.00 (P)

**CONFIRMATORY ASSIGNMENT FOR RECORDATION**

WHEREAS, Avril J. SMITH and John L. ADAMS, of 55 The Slade, Headington, Oxford, Great Britain OX3 7HL and 24 Keswick Close, Felixstowe, Suffolk, Great Britain IP11 9NZ, respectively, have invented certain improvements for which applications for Letters Patent of the United States have been filed in the United States Patent and Trademark Office and/or issued US patents have already issued as noted below:

US Patent No. 5,784,358, dated July 21, 1998; BROADBAND SWITCHING NETWORK  
(from application USSN 08/619,653 filed March 22, 1996 in the USPTO

USSN 08/913,270, filed May 4, 1998; BROADBAND SWITCHING SYSTEM

USSN 08/999,749, filed September 10, 1998; BROADBAND SWITCHING SYSTEM

USSN 08/983,268, filed September 10, 1998, BROADBAND SWITCHING NETWORK

WHEREAS, inventor Avril J. SMITH is and/or was at relevant times employed by OXFORD BROOKES UNIVERSITY, a corporation of Great Britain, having an office and place of business at Gypsy Lane, Headington, Oxford, Great Britain OX3 0BP;

WHEREAS, inventors Avril J. SMITH and John L. ADAMS and OXFORD BROOKES UNIVERSITY (hereinafter ASSIGNORS) have previously, in other documents (attached hereto as Appendices I and II hereby incorporated hereinto), already assigned their worldwide rights in all said inventions to BRITISH TELECOMMUNICATIONS public limited company (hereinafter ASSIGNEE), a corporation of Great Britain, of 81 Newgate Street, London EC1A 7AJ, Great Britain; and

WHEREAS, ASSIGNEE is having this assignment confirmed in this separate document for recordation in the United States Patent and Trademark Office to reflect its interest therein;

NOW, THEREFORE, in consideration of Ten Dollars (\$10.00) and other good and valuable consideration, the receipt and sufficiency of which are hereby acknowledged, the said ASSIGNORS by these presents hereby sell, assign, and transfer unto the said ASSIGNEE, its successors, assigns, and legal representatives, the full and exclusive right to the said invention in the United States and all foreign countries, as described in the aforesaid patent and applications, and we hereby authorize and request the Commissioner of Patents and Trademarks to hereafter issue Letters Patent to ASSIGNEE, for its interest as ASSIGNEE, for the sole use and behoof of ASSIGNEE, its successors, assigns, and legal representatives.

The undersigned agree to execute all papers and documents necessary in connection with the application or any interference which may be declared and any continuing or divisional applications thereof and also to execute separate assignments in connection with such applications as ASSIGNEE may deem necessary or expedient and further to perform any act which may be necessary in connection with claims or provisions of the International Convention for Protection of Industrial Property or similar agreements.

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

The undersigned hereby grant the firm of NIXON & VANDERHUYE P.C. the power to insert on this assignment any further identification which may be necessary or desirable in order

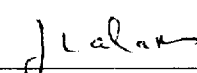
to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

AGREED and executed as noted below:

11/8/99  
Date

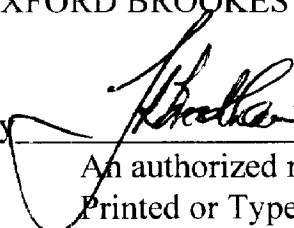
  
Avril J. SMITH

7<sup>th</sup> JUNE 1999  
Date

  
John L. ADAMS

OXFORD BROOKES UNIVERSITY

20TH AUGUST 1999  
Date

By   
An authorized representative  
Printed or Typed Name

J. R. BRASSHAW

Title: Deputy Vice Chancellor


Respectively Witnessed by:

Name: 

Date: 11/8/99

Name: 

Date: 7 June 1999

Name: 

Date: 20 August 1999