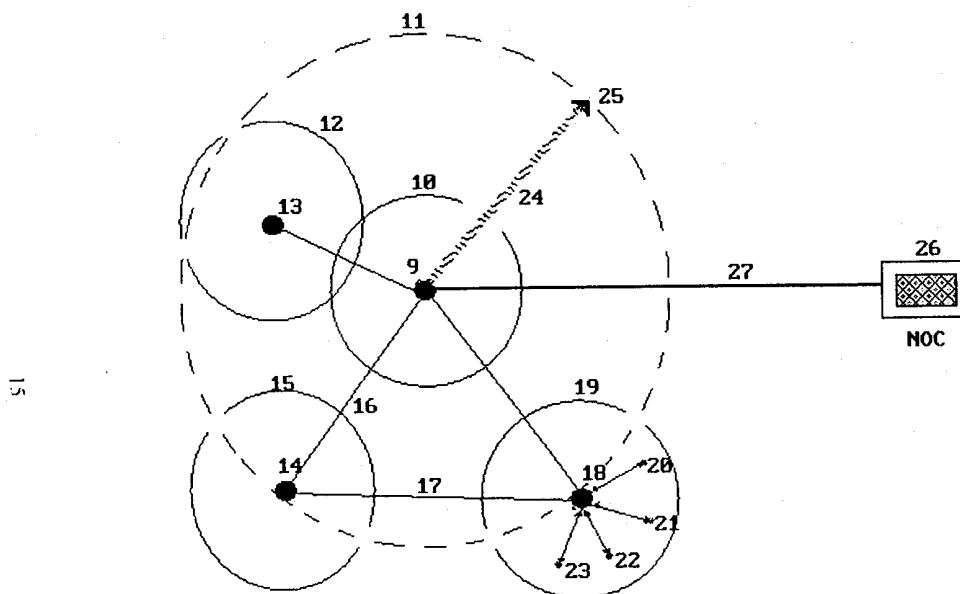




INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

<p>(51) International Patent Classification 7 : <b>H04L 12/28</b></p>	<p><b>A3</b></p>	<p>(11) International Publication Number: <b>WO 00/13389</b> (43) International Publication Date: 9 March 2000 (09.03.00)</p>
<p>(21) International Application Number: PCT/ZA99/00075 (22) International Filing Date: 31 August 1999 (31.08.99) (30) Priority Data: 98/7883 31 August 1998 (31.08.98) ZA (71) Applicant (for all designated States except US): CLARIDGE TRADING ONE (PTY.) LTD. [ZA/ZA]; Sandton Forum Building, 17th floor, Maude and Fifth Street, 0052 Sandton (ZA). (71)(72) Applicant and Inventor: BERRY, Jason [ZA/ZA]; 7 French Lane, Rivonia, 0052 Sandton (ZA). (74) Agent: NEL, Pierre, Hercules; 502 Tennessee Street, 0001 Pretoria (ZA).</p>		<p>(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).  Published <i>With international search report.</i>  (88) Date of publication of the international search report: 15 June 2000 (15.06.00)</p>

(54) Title: METHOD AND SYSTEM FOR THE REMOTE DELIVERY OF COMMUNICATION SERVICES



(57) Abstract

This invention provides a method and system for facilitating data communication services and products to a remote user base such as a home or an office by providing at least one spread spectrum radio cell with a user communicating via digital RF means to the hub (9, 13, 14, 15) of a cell (12, 10, 15, 19) via a first channel within the range of the cell. According to the method of the invention the spread spectrum radio cell may communicate to a second cell via a second channel. Off course the first channel and the second channel may be the same channel. Furthermore a second user (25) may communicate to the hub of the first or multiple cell's or gub's via copper-to-copper communication link typically via an ADSL link (24) where the user is externally located out of the cell's communication range. Also one or more cell's or groups may communicate to a Network Operation Center (NOC,26) or other cell groups via microwave or satellite technology. A telecommunications interchange or exchange may connect or link to any one or more of the following; the hub, the user, and the NOC.

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# INTERNATIONAL SEARCH REPORT

International Application No  
**PCT/ZA 99/00075**

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H04L12/28

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H04L H04Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97 38509 A (BLACK SIMON ALEXANDER ;EDNEY JONATHAN PAUL (GB); SYMBIONICS DEV LT) 16 October 1997 (1997-10-16) page 1, line 12-24 page 2, line 18-24 page 3, line 13 -page 5, line 16 page 6, line 10 -page 7, line 19 page 8, line 4-11	1,2,4,5, 9-12
X	EP 0 767 561 A (CANON KK) 9 April 1997 (1997-04-09) column 1, line 39-47 column 19, line 24-42 column 22, line 36 -column 24, line 47 column 65, line 45-50	1,9,11
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

4 April 2000

Date of mailing of the international search report

12/04/2000

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INTERNATIONAL SEARCH REPORT

International Application No  
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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>US 5 276 703 A (BUDIN DAN ET AL) 4 January 1994 (1994-01-04) column 5, line 59 -column 6, line 2 column 6, line 59 -column 7, line 53 column 12, line 47-64</p>	1,11,12
A	<p>US 5 461 627 A (RYPINSKI CHANDOS A) 24 October 1995 (1995-10-24) column 5, line 35-67 column 6, line 56 -column 7, line 2 column 22, line 64 -column 24, line 2</p>	5,6,13

**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No

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