



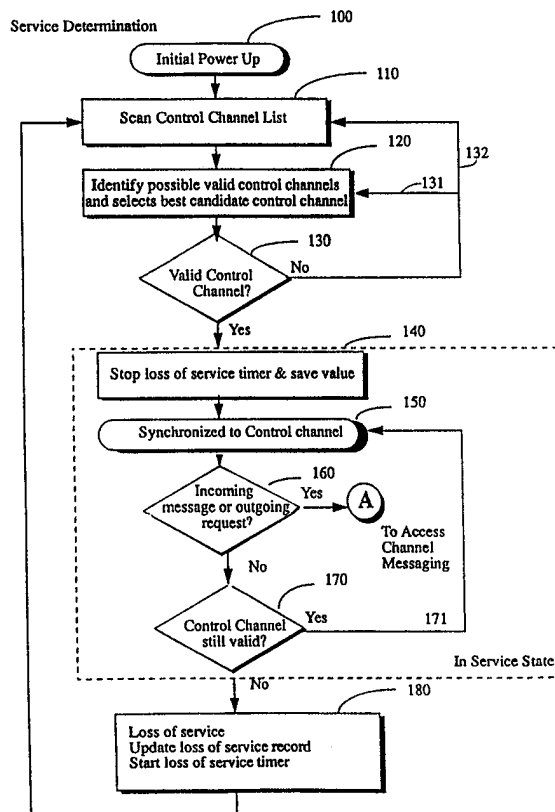
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<p>(21) International Application Number: PCT/CA98/00199 (22) International Filing Date: 11 March 1998 (11.03.98) (30) Priority Data: 08/827,024 25 March 1997 (25.03.97) US (71) Applicant: NORTHERN TELECOM LIMITED [CA/CA]; World Trade Center of Montreal, 8th floor, 380 St. Antoine Street West, Montreal, Quebec H2Y 3Y4 (CA). (72) Inventor: OSBORNE, Greg; 41 Inverness Avenue, Nepean, Ontario K2E 6N6 (US). (74) Agent: MEASURES, Jeffrey, M.; Northern Telecom Limited, Patent Dept., P.O. Box 3511, Station "C", Ottawa, Ontario K1Y 4H7 (CA).</p>	<p>(81) Designated States: BR, CN, JP, MX, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>  (88) Date of publication of the international search report: 1 April 1999 (01.04.99)</p>	

(54) Title: METHOD AND WIRELESS TERMINAL FOR MONITORING COMMUNICATIONS AND PROVIDING NETWORK WITH TERMINAL OPERATION INFORMATION

(57) Abstract

A wireless terminal monitors its communications with a wireless network in order to provide the network with performance information. The terminal monitors its own operations and messages, or expected messages from the network, and stores information as to the success or failure of these various events. Performance information, for example, bit error rate and receive signal strength is also stored. The terminal is also capable of performing transmission path quality tests, for example, loop backs. The terminal can transmit information to a network at regular time periods or as a response to a request from the network.



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# INTERNATIONAL SEARCH REPORT

International Application No

PCT/CA 98/00199

<b>A. CLASSIFICATION OF SUBJECT MATTER</b> IPC 6 H04Q7/34 H04B17/00				
According to International Patent Classification (IPC) or to both national classification and IPC				
<b>B. FIELDS SEARCHED</b>				
Minimum documentation searched (classification system followed by classification symbols) IPC 6 H04Q H04B				
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)				
<b>C. DOCUMENTS CONSIDERED TO BE RELEVANT</b>				
Category <sup>o</sup>	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.		
X Y A  Y	EP 0 720 407 A (NIPPON TELEGRAPH & TELEPHONE) 3 July 1996  see abstract; figure 2 see column 4, line 10 - line 26 see column 5, line 20 - column 6, line 18 see column 8, line 35 - line 39 --- EP 0 734 193 A (AT & T CORP) 25 September 1996 see page 5, line 21 - page 7, line 45 --- -/--	1-6,9,10  7,8, 11-16 17-24  7,8		
<input checked="" type="checkbox"/> Further documents are listed in the continuation of box C.				
<input checked="" type="checkbox"/> Patent family members are listed in annex.				
<sup>o</sup> Special categories of cited documents :				
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Date of the actual completion of the international search  <p style="text-align: center; font-size: 1.2em;">22 October 1998</p>	Date of mailing of the international search report  <p style="text-align: center; font-size: 1.2em;">30/10/1998</p>			
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer  <p style="text-align: center; font-size: 1.2em;">Fernandez Balseiro, J</p>			

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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.
Y	<p>"DECT - MESSTECHNIK UND ANWENDUNG"                      FUNKSCHAU,                      vol. 65, no. 26, 10 December 1993, pages                      68-71, XP000421070                      see page 70, column 2, line 24 - column 3,                      line 33</p> <p style="text-align: center;">---</p>	11-16
A	<p>PATENT ABSTRACTS OF JAPAN                      vol. 014, no. 371 (E-0963), 10 August 1990                      &amp; JP 02 134929 A (NEC CORP), 23 May 1990                      see abstract</p> <p style="text-align: center;">---</p>	11-16
A	<p>WO 96 38012 A (MOTOROLA INC ; IORIATTI                      CHRISTINE KAREN (US)) 28 November 1996</p> <p style="text-align: center;">---</p>	
A	<p>WO 96 34501 A (AMERICAN PERSONAL                      COMMUNICATIO) 31 October 1996</p> <p style="text-align: center;">-----</p>	

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