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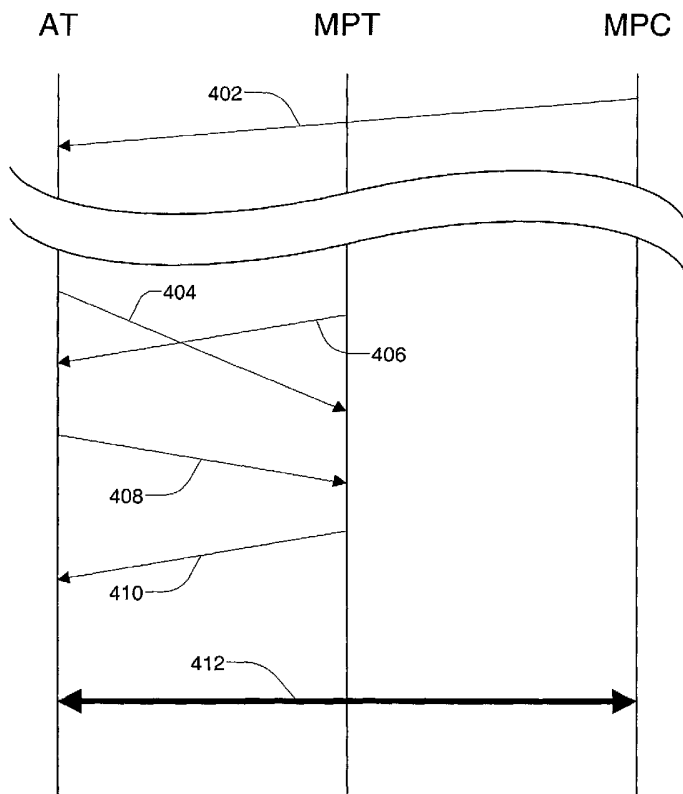
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[Continued on next page]

(54) Title: METHOD AND APPARATUS FOR ADAPTIVE TRANSMISSION CONTROL IN A HIGH DATA RATE COMMUNICATION SYSTEM



(57) Abstract: In a high data rate communication system, a method and apparatus for efficiently establishing a connection between an access terminal and an access network using a fast access channel and a fast access indicator. Upon receiving a fast access indicator (406) in response to a fast access probe (404), an access terminal begins transmitting a traffic channel signal (408) containing data rate control (DRC) information. The DRC information is used by the access network to transmit messages such as a traffic channel assignment message (410) at the requested DRC rate.



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INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 01/47157

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04Q7/38

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 H04Q H04L

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)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 1 001 572 A (LUCENT TECHNOLOGIES INC) 17 May 2000 (2000-05-17)	1,2, 7-11,14, 16-22, 26,29, 30, 35-38, 41,42, 47,58,59
A	abstract paragraph [0004] paragraph [0006] - paragraph [0009] paragraph [0017] figures 1,2	3-6,12, 13,15, 23-25, 27,28, 31-34, 39,40,
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

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24.10.02

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INTERNATIONAL SEARCH REPORT

 International Application No.
 PCT/US 01/47157

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 style="text-align: center;">---</p> WO 99 23844 A (QUALCOMM INC) 14 May 1999 (1999-05-14) page 5, line 20 -page 6, line 6 page 45, line 15 -page 46, line 34 claim 1	43-46, 48,49 1,2, 7-11,14, 16-22, 26,29, 30, 35-38, 41,42, 47,58,59
Y	<p style="text-align: center;">---</p> MOULY, PAUTET: "The GSM system for mobile communications" 1992, MOULY AND PAUTET, PALAISEAU, FRANCE XP002194765 pages 366-384 page 367, paragraph 6.3.1 page 372, paragraph 6.3.1.2 -page 373, paragraph 1 page 376, paragraph 6.3.1.4	1,2, 7-11,14, 16-22, 26,29, 30, 35-38, 41,42, 47,58,59
A	<p style="text-align: center;">---</p> WO 00 27157 A (ERICSSON TELEFON AB L M) 11 May 2000 (2000-05-11) abstract page 13, line 4 -page 14, line 11 page 15, line 19 - line 24 figure 7 <p style="text-align: center;">-----</p>	1-49,57, 58

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 01/47157

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-49, 58-59

Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-49, 58-59

Claims 1-49 and 58-59 relate to a method and corresponding apparatus of establishing a connection between an access terminal and an access network

2. Claims: 50-52

Claims 50-52 relate to an access terminal apparatus to generate an access probe using a PN long code generator and a PN spreader

3. Claims: 53-57

Claims 53-57 relate to an access network apparatus producing a PN code

INTERNATIONAL SEARCH REPORT

 Int'l Application No
 PCT/US 01/47157

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