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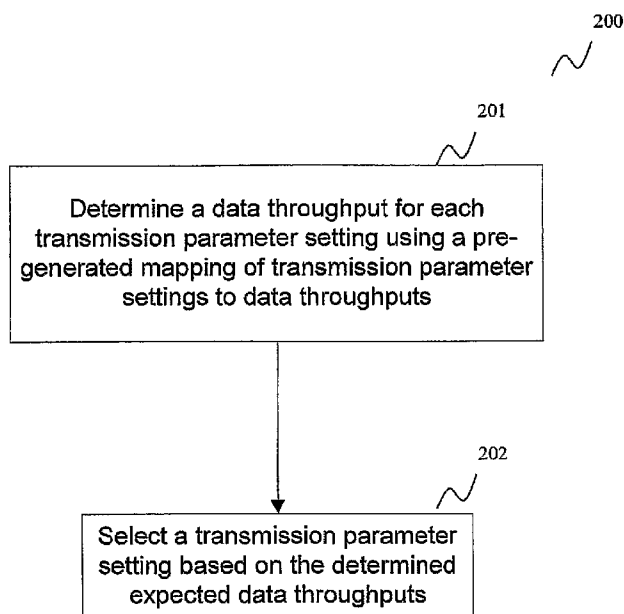
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— with international search report

[Continued on next page]

(54) Title: METHOD FOR SELECTING TRANSMISSION PARAMETERS FOR A DATA TRANSMISSION AND DATA TRANSMISSION CONTROLLER



(57) Abstract: A method for selecting transmission parameters for a data transmission is provided comprising determining, for each of a plurality of transmission parameter settings, a data throughput that is expected when the transmission parameter setting is used for data transmission, wherein the data throughput is determined using a pre-generated mapping of transmission parameter settings to data throughputs and selecting a transmission parameter setting based on the determined expected data throughputs.

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— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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## INTERNATIONAL SEARCH REPORT

International application No

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## A. CLASSIFICATION OF SUBJECT MATTER

INV. H04L1/00 H04L1/06 H04L1/20

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)

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, WPI Data, INSPEC, COMPENDEX

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 1 681 802 A (BROADCOM CORP [US]) 19 July 2006 (2006-07-19)  page 7, line 16 - line 52 page 9, line 12 - line 37 page 10, line 44 - page 11, line 58; figures 5,6	1-10, 18-20, 23-25, 27-31
X	EP 1 255 368 A (SIEMENS INF & COMM NETWORKS [IT]) 6 November 2002 (2002-11-06)  page 9, line 8 - line 20 page 12, line 12 - line 23 page 15, line 33 - line 55 page 22, line 5 - line 32  ----- -/--	1-14, 16-18, 23,24, 27-31



Further documents are listed in the continuation of Box C.



See patent family 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.

\*&amp;\* document member of the same patent family

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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.
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X	EP 0 903 883 A (LUCENT TECHNOLOGIES INC [US]) 24 March 1999 (1999-03-24)  column 3, paragraph 12 column 11, paragraph 36 - paragraph 37 -----	1, 2, 7, 8, 18, 23, 24, 27-31
X	GB 2 385 754 A (TOSHIBA RES EUROP LTD [GB]) 27 August 2003 (2003-08-27)  page 17, line 4 - page 19, line 3 -----	1, 2, 7, 8, 18, 23, 24, 27-31
A	US 2005/099975 A1 (CATREUX SEVERINE [US] ET AL) 12 May 2005 (2005-05-12) page 3, right-hand column, paragraph 39 - paragraph 40 page 4, right-hand column, paragraph 49 - paragraph 51 -----	1, 27, 31
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X	WO 2006/101620 A (INTERDIGITAL TECH CORP [US]; PIETRASKI PHILIP J [US]) 28 September 2006 (2006-09-28) page 8, paragraph 38 - page 10, paragraph 39; figure 5 -----	32

# INTERNATIONAL SEARCH REPORT

International application No.  
PCT/SG2007/000389

## Box No. II Observations where certain claims were found unsearchable (Continuation of item 2 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 No. III Observations where unity of invention is lacking (Continuation of item 3 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 allsearchable claims.
2.  As all searchable claims could be searched without effort justifying an additional fees, this Authority did not invite payment of additional fees.
3.  As only some of the required additional search fees were timely paid by the applicant, this international search reportcovers 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.:

### Remark on Protest

- The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.
- The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.
- 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: 1-31

Selecting transmission parameters using throughput mapping.

2. claims: 32,33

Estimation of the signal to noise ratio of a communication channel.

## INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/SG2007/000389

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