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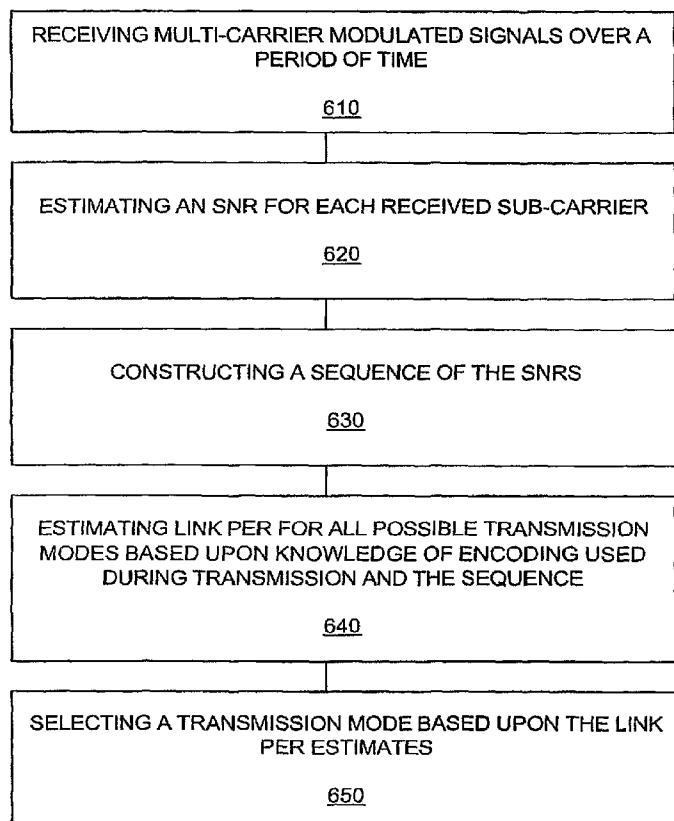
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[Continued on next page]

(54) Title: LINK QUALITY PREDICTION



(57) Abstract: A method and apparatus of predicting link quality of a link is disclosed. The method includes receiving multi-carrier modulated signals over a period of time, estimating an SNR for each received sub-carrier, constructing a sequence of the SNRs, and estimating link PER based upon knowledge of encoding and/or interleaving used during transmission, and the sequence of SNRs.

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PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

CORRECTED

Applicant's or agent's file reference TZT-107/PCT	FOR FURTHER ACTION see Form PCT/ISA/220 as well as, where applicable, item 5 below.	
International application No. PCT/US07/06209	International filing date (<i>day/month/year</i>) 09 March 2007 (09.03.2007)	(Earliest) Priority Date (<i>day/month/year</i>) 13 March 2006 (13.03.2006)
Applicant TZERO TECHNOLOGIES, INC.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 3 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the Report

a. With regard to the language, the international search was carried out on the basis of:

- the international application in the language in which it was filed.
 a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 Rule 43.6 *bis(a)*

c. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, see Box No. I.

2. Certain claims were found unsearchable (See Box No. II)

3. Unity of invention is lacking (See Box No. III)

4. With regard to the title,

- the text is approved as submitted by the applicant.
 the text has been established by this Authority to read as follows:

5. With regard to the abstract,

- the text is approved as submitted by the applicant.
 the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box No. IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the drawings,

a. the figure of the drawings to be published with the abstract is Figure No. 6

- as suggested by the applicant.
 as selected by this Authority, because the applicant failed to suggest a figure.
 as selected by this Authority, because this figure better characterizes the invention.

b. none of the figures is to be published with the abstract.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/US07/06209

A. CLASSIFICATION OF SUBJECT MATTER
 IPC: **G06F 11/00(2006.01)**

USPC: 370/241
 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)
 U.S. : 370/241, 332, 333

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 practicable, search terms used)
 signal noise ratio, peacket error rate, subcarriers

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X, E --- A	US 7,333,56 (Maltsev et al.) 19 February 2008 whole document, especially Figure 3, paragraphs 0045-0051	1,4,5,8-10,14,19,22-24 ----- 15-18
Y	US-6,532,258 B1 (Goldston et al.) 11 March 2003 col 5, col 6	2, 21
Y	US 2003/0231655 (Kelton et al) 18 December 2003 paragraph 0033	6
Y	US 2002/0163980 (Rouhonen) 7 November 2002 Claim 3	7
Y	US 5,280,637 (Larosa et al) 18 January 1994 col 3 lines 10-20, col 4 lines 5-20	11,12
Y, E	US 2007/0268881 (Moorti et al.) 22 November 2007 paragraph 0053	13

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	"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
"E"	earlier application or patent published on or after the international filing date	"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
"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)	"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
"O"	document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P"	document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search
 14 March 2008 (14.03.2008)

Date of mailing of the international search report
18 APR 2008

Name and mailing address of the ISA/US Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450 Facsimile No. (571) 273-3201	Authorized officer KWANG BIN YAO Telephone No. (571) 270-3120
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INTERNATIONAL SEARCH REPORTInternational application No.
PCT/US07/06209**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, E	US 2006/0057965 (Braun et al) 16 March 2006 paragraph 0029	20

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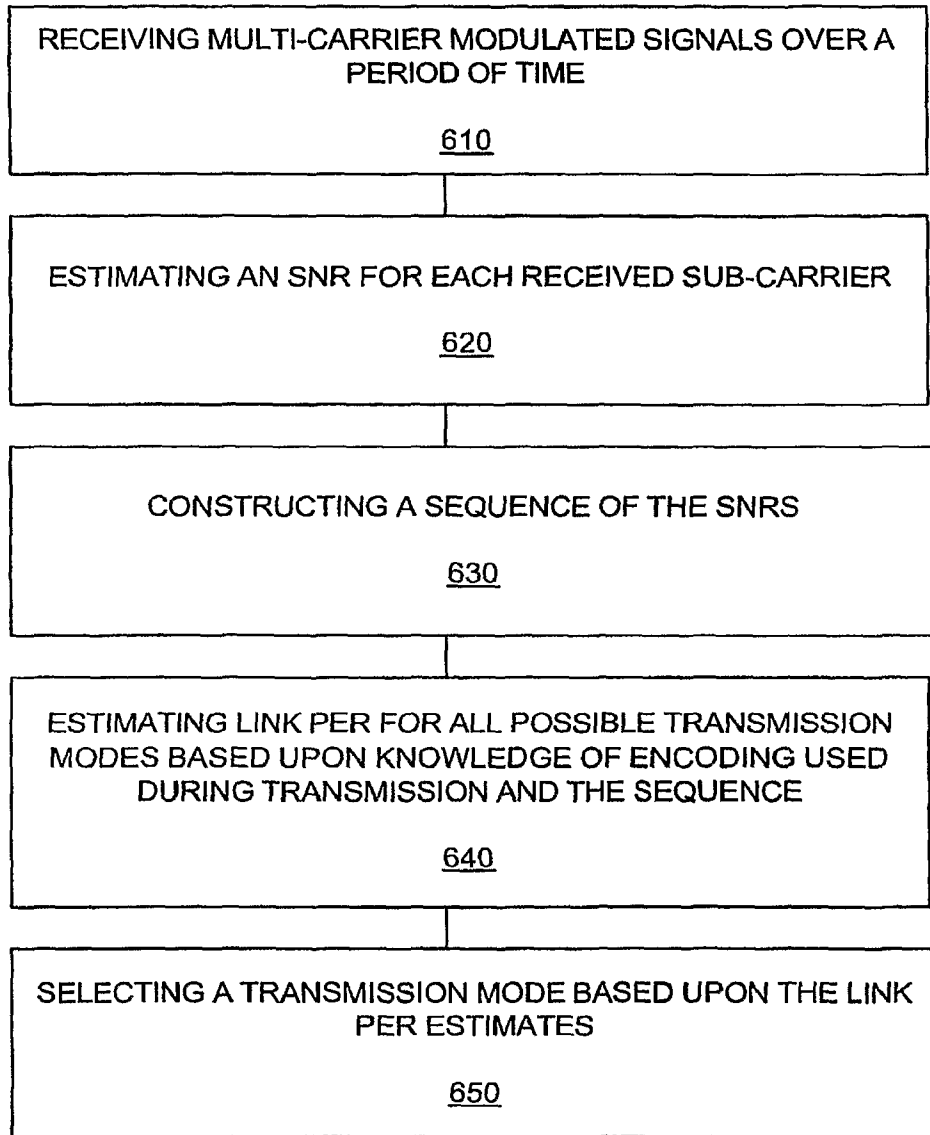


FIGURE 6