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(71) Applicant: **BROADCOM CORPORATION** [US/US];
16215 Alton Parkway, Irvine, CA 92618-3616 (US).

(72) Inventors: **MIN, Jonathan**; 6602 Notre Dame Drive,
Buena Park, CA 90620 (US). **LU, Fang**; 25 Arbusto,
Irvine, CA 92606 (US). **CURRIVAN, Bruce**; 17 An-
dalucia, Irvine, CA 92614 (US). **KWON, Thomas**; 77
Tidewind, Irvine, CA 92612 (US).

(74) Agents: **SOKOHL, Robert** et al.; Sterne, Kessler, Gold-
stein & Fox P.L.L.C., Suite 600, 1100 New York Avenue,
N.W., Washington, DC 20005-3934 (US).

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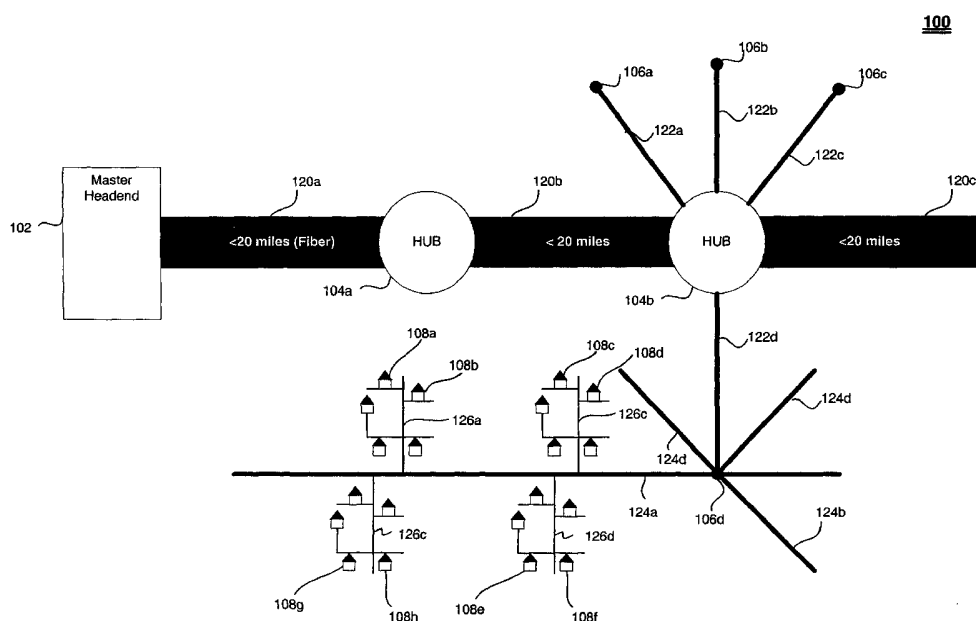
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ning of each regular issue of the PCT Gazette.*

(54) Title: ROBUST BURST DETECTION AND ACQUISITION SYSTEM AND METHOD



(57) Abstract: A method of parameter estimation (320) in a shared channel communications system includes the steps of receiving a preamble including a first sequence corresponding to a sequence having zero autocorrelation, a second sequence having zero autocorrelation, and a third sequence having zero autocorrelation, performing a coarse carrier frequency estimate based on the first sequence, and performing a fine carrier frequency estimate based on the second and third sequences.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04L 27/30

US CL : 375/141,142,144,145,148,149,150,343,344,326,364,367; 370/321,327,347,442,509,510,512,514;
455/182.2,192.2

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 375/141,142,144,145,148,149,150,343,344,326,364,367; 370/321,327,347,442,509,510,512,514; 455/182.2,192.2

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)
BRS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y, P	US 6,363,107 B1 (SCOTT) 26 March 2002; Abstract; Col. 3-4.	1-146
A	US 5,898,684 (CURRIVAN et al.) 27 April, 1999; Abstract.	
A	US 6,078,607 (MONROE et al.) 20 June, 2000; Abstract.	
A	US 6,134,286 (CHENNAKESHU et al.) 17 October, 2000; Abstract.	
A	US 4,621,365 (CHIU) 04 November, 1986; Abstract.	



Further documents are listed in the continuation of Box C.



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* Special categories of cited documents:	
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"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	

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Box PCT
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Facsimile No. (703)305-3230

Authorized officer

Stephen Chin

Telephone No. 305-5500