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Creston Drive, Los Altos, CA 94024 (US). **LEE, Alan**:  
11594 Oak Spring Court, Cupertino, CA 95014 (US).

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(74) Agents: **GUZMAN, Leonard, T.** et al.; McDermott, Will  
& Emery, 2700 Sand Hill Road, Menlo Park, CA 94025  
(US).

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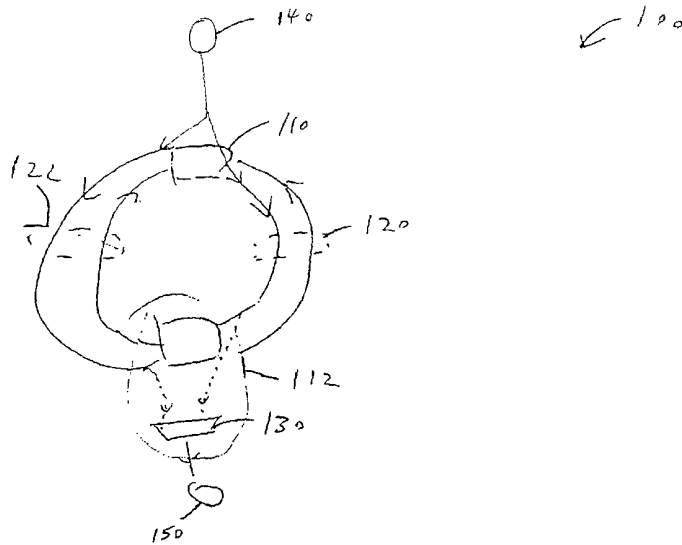
(71) Applicant: **GEYSER NETWORKS, INC.** [US/US]; 555  
Del Rey Avenue, Sunnyvale, CA 94085 (US).

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(72) Inventors: **LEE, Gordon**: 20567 Russell Lane, Saratoga,  
CA 95070 (US). **HUANG, Kevin**: 4656 Clarendon Drive,  
San Jose, CA 95129 (US). **CHEN, Weng-lung**: 10455

For two-letter codes and other abbreviations, refer to the "Guid-  
ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.

(54) Title: SYSTEM AND METHOD OF NXSTS-1 BANDWIDTH SHARING AND RING PROTECTION



(57) Abstract: A system and method of nxSTS-1 bandwidth sharing and ring protection. Ring protection is protected. The system and method of nxSTS-1 bandwidth sharing by every node (110) on a nxSTS-1 ring (100) includes placing nxSTS-1s in the nxSTS-1 ring (100), creating a nxVT point-to-point or point-to-multipoint connection within a nxSTS-1 pipe, and globally managing VT resources in the ring via a ring manager. The system and method of protecting a nxSTS-1 ring (100) includes in a normal mode, only having one ring manager as an active manager and if the active ring manager fails, making another ring manager a new active ring manager according to an election protocol, where every node on the ring can be a candidate ring manager.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : H04J 3/26 ; H02H 3/05  
US CL : 370/223 ; 714/43

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. : 370/223 ; 714/43

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)

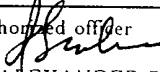
C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,805,568 A ( SHINBASHI) 08 SEPTEMBER 1998 , col. 15 lines 26- 49	10-11
A, P	US 6,205,562 A (FUKUSHIMA et al.) 20 MARCH 2001, ALL	1-13

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:		"T"
"A"	document defining the general state of the art which is not considered to be of particular relevance	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 document published on or after the international filing date	"X"
"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)	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
"O"	document referring to an oral disclosure, use, exhibition or other means	"Y"
"P"	document published prior to the international filing date but later than the priority date claimed	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
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		document member of the same patent family

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Name and mailing address of the ISA/US Commissioner of Patents and Trademarks Box PCT Washington, D.C. 20231 Facsimile No. (703) 305-3230	Authorized officer  ALEXANDER BOAKYE Telephone No. (703) 308-9554
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