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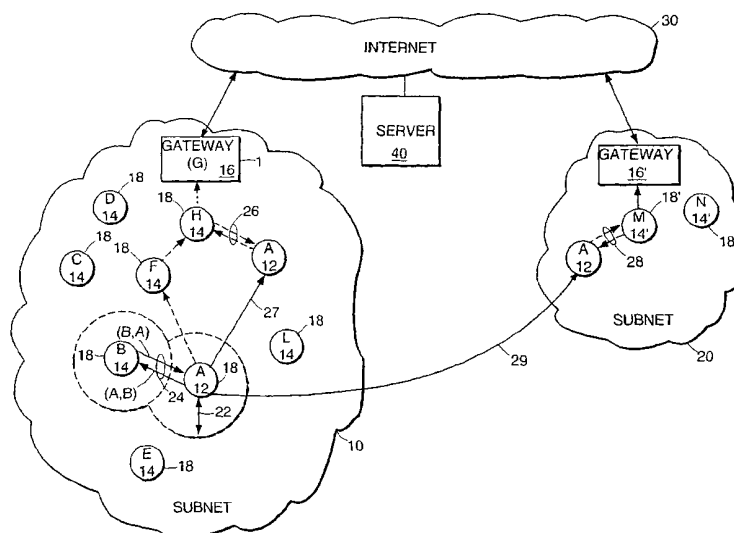
Peccolo; 723 W. Capistrano Way, San Mateo, CA 94402 (US). **TEMPLIN, Fred, Lampert**; 291 La Cuesta Drive, Portola Valley, CA 94028 (US). **BELLUR, Bhargav, R.**; 5135 Shalimar Circle, Fremont, CA 94555 (US). **ARNOLD, James, A.**; 1484 Colorado Gulch, Helena, MT 59601 (US). **SEATON, D., Scott**; 4645 Hedgewick Avenue, Fremont, CA 94538 (US). **FRANDSEN, Michael**; 2612 Gold Rush Avenue, Helena, MT 59601 (US). **WILLIAMS, Nathan, W.**; 919 Cannon Street, Helena, MT 59601 (US). **GELLRICH, Christian, A.**; 1046 Eden Bower Lane, Redwood City, CA 94061 (US).

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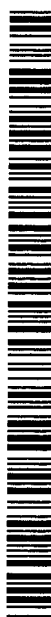
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[Continued on next page]

(54) Title: MOBILE AD HOC EXTENSIONS FOR THE INTERNET



(57) Abstract: Described is an internetworking system having various mobile ad hoc extensions to the Internet that are particularly suited to the dynamic environment of mobile ad hoc networks. The internetworking system includes any combination of a link-state routing protocol for disseminating topology and link-state information over a multi-hop network comprised of nodes, a neighbor discovery protocol that can detect the appearance and disappearance of new neighbor nodes, an address format that facilitates deployment of IPv6 nodes in a predominantly IPv4 network infrastructure, a queuing mechanism that can update information upon resuming interrupted communications between nodes, and dynamic network measurement techniques for adaptively using wireless bandwidth when establishing and maintaining connections between nodes and a server.



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According to International Patent Classification (IPC) or to both national classification and IPC

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Minimum documentation searched (classification system followed by classification symbols)
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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, PAJ, INSPEC, IBM-TDB, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 872 773 A (VEERARAGHAVAN MALATHI ET AL) 16 February 1999 (1999-02-16) column 1, line 36-38 column 2, line 26,27 column 7, line 5-9 column 9, line 39-45 column 10, line 11-14 column 11, line 31 -column 12, line 3 --- -/--	1

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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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.

Z document member of the same patent family

Date of the actual completion of the international search

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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