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Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

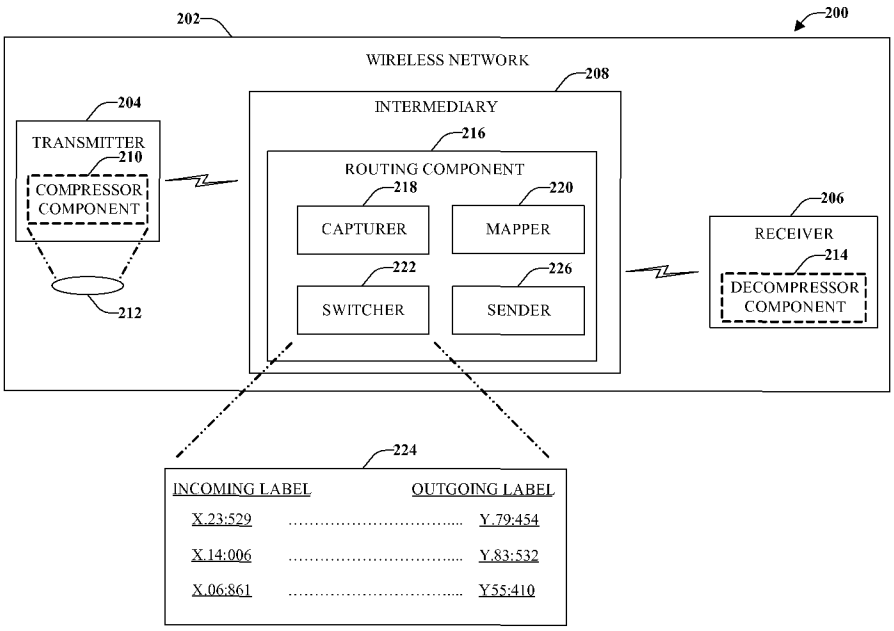
— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

— *with international search report*

[Continued on next page]

(54) **Title:** OVERHEAD REDUCTION IN AN AD-HOC WIRELESS NETWORK



(57) **Abstract:** Embodiments describe reducing overhead in a multihop ad-hoc wireless network. According to an embodiment is a method for routing communication in a multihop ad-hoc network. The method can include receiving an incoming label value and communication, accessing a table that includes node routing information, and identifying a destination device for the communication. The incoming label value can be switched with an outgoing label value that includes the identification of the destination device. The outgoing label value can be inserted between a MAC layer and an IP layer.

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04L29/06 H04L12/56

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)
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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, WPI Data, IBM-TDB, 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	WO 02/17036 A (KAGOOR NETWORKS INC [US]) 28 February 2002 (2002-02-28) section 3.2 section 3.2.1 section 3.3.3.3 figures 1-10	1-26
X	WO 2004/034651 A (NOKIA CORP [FI]; AALTO MIKA [FI]; RAEISAENEN VILHO [FI]) 22 April 2004 (2004-04-22) abstract page 2, line 23 - page 24, line 10 figures 1-6	1-26

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[X] Further documents are listed in the continuation of Box C.

[X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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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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INTERNATIONAL SEARCH REPORT

Information on patent family members

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