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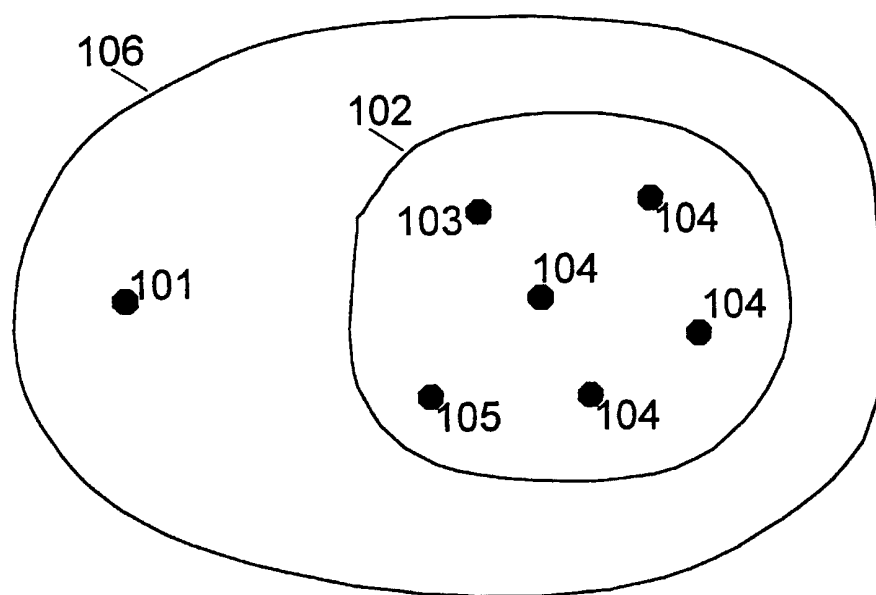
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(54) Title: SECURED AD HOC NETWORK AND METHOD FOR PROVIDING THE SAME



(57) Abstract: The present invention relates to the requirement of security in an ad hoc network. More particularly it relates to the problem within ad hoc networks, not having on-line connections to a particular server for getting desired public keys or certificates, required to create trust relations. Within an ad hoc communication network, some of the nodes have a mutual trust relation to each other, thus constituting a trust group. An additional node within the network is being a candidate node for joining the trust group. An X-node is identified, being a member of a trust group and having a trust relation with the candidate node. The X-node distributes trust relations between the members of the trust group and the candidate node.



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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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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)

IPC 7 H04L

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, INSPEC, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P,A	VENKATRAMAN L ; AGRAWAL D P : "A novel authentication scheme for ad hoc networks" 2000 IEEE WIRELESS COMMUNICATIONS AND NETWORKING CONFERENCE, vol. 3, 28 September 2000 (2000-09-28), pages 1268-1273, XP002174678 NJ, USA ISBN: 0-7803-6596-8 page 1269 -page 1271 --- -/--	1-25



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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- *A* document defining the general state of the art which is not considered to be of particular relevance
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Date of the actual completion of the international search

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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.
A	TANAKA T ET AL: "NOMADIC COMPUTING ENVIRONMENT EMPLOYING WIRED AND WIRELESS NETWORKS" IEICE TRANSACTIONS ON COMMUNICATIONS,JP,INSTITUTE OF ELECTRONICS INFORMATION AND COMM. ENG. TOKYO, vol. E81-B, no. 8, 1 August 1998 (1998-08-01), pages 1565-1573, XP000788462 ISSN: 0916-8516 page 1566, right-hand column, paragraph 3 -page 1567, right-hand column, paragraph 6; figure 4 page 1571 ----	1,17,24, 25
A	CHADWICK D W ET AL: "MERGING AND EXTENDING THE PGP AND PEM TRUST MODELS - THE ICE-TEL TRUST MODEL" IEEE NETWORK: THE MAGAZINE OF COMPUTER COMMUNICATIONS,US,IEEE INC. NEW YORK, vol. 11, no. 3, 1 May 1997 (1997-05-01), pages 16-24, XP000689785 ISSN: 0890-8044 page 17, left-hand column, paragraph 3 -right-hand column, paragraph 2 page 18, right-hand column, paragraph 2 -page 21, left-hand column, paragraph 1 page 22, left-hand column, paragraph 1 - paragraph 2 ----	1-25
A	EP 0 939 519 A (NO WIRES NEEDED B V) 1 September 1999 (1999-09-01) abstract column 1, line 1 -column 3, line 54 ----	1-25
P,A	LIDONG ZHOU; HAAS Z J: "Securing ad hoc networks" IEEE NETWORK: THE MAGAZINE OF COMPUTER COMMUNICATIONS,US,IEEE INC. NEW YORK, vol. 13, no. 6, November 1999 (1999-11) - December 1999 (1999-12), pages 24-30, XP002142955 ISSN: 0890-8044 the whole document -----	1-25

INTERNATIONAL SEARCH REPORT

Information on patent family members

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