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(54) BROADCAST AS A TRIGGERING MECHANISM FOR ROUTE DISCOVERY IN AD-HOC NETWORKS

(75) Inventors: Tony Larsson, Stockholm (SE); Johan

Rune, Lidingö (SE); Johan Sörensen,

Eslöv (SE)

(73) Assignee: Telefonaktiebolaget LM Ericsson

(**publ**), Stockholm (SE)

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(52) U.S. Cl. 370/255; 370/351; 370/400

370/401, 328, 254, 255

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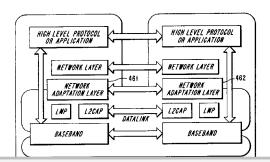
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Primary Examiner—Chau Nguyen
Assistant Examiner—Keith M. George
(74) Attorney, Agent, or Firm—Burns, Doane, Swecker &
Mathis, LLP

(57) ABSTRACT

A method and/or an apparatus which places a broadcast message which the source expects a reply message in a broadcast message for route discovery. The combined message is broadcast throughout the ad-hoc network. When the combined broadcast message is received at the destination node, the destination node generates a response message including a reply message to the broadcast message that the source node expects a reply. The response message is sent back to the source node over the route which the combined broadcast message traveled to the destination node.

36 Claims, 11 Drawing Sheets





^{*} cited by examiner

Fig. 1 Prior Art

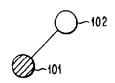


Fig. 2 Prior Art

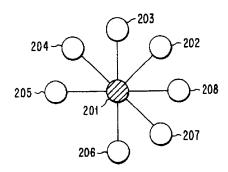


Fig. 3
Prior Art

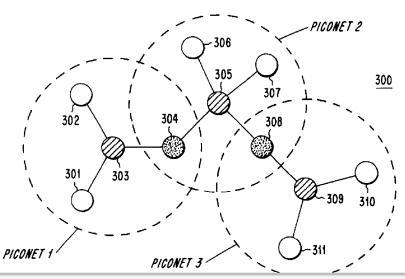




Fig. 4a
Prior Art

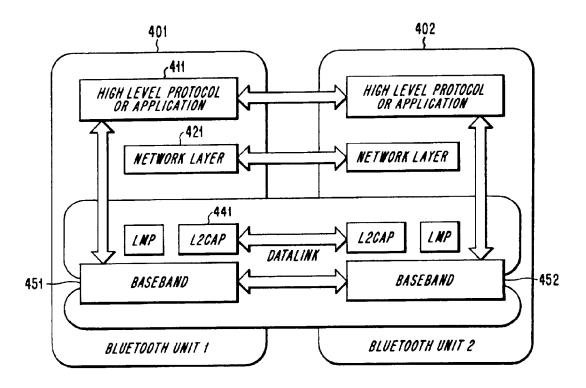


Fig. 4b

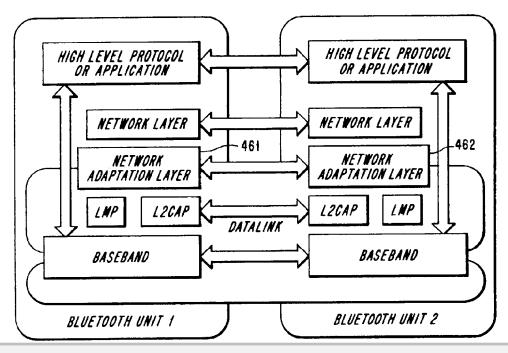
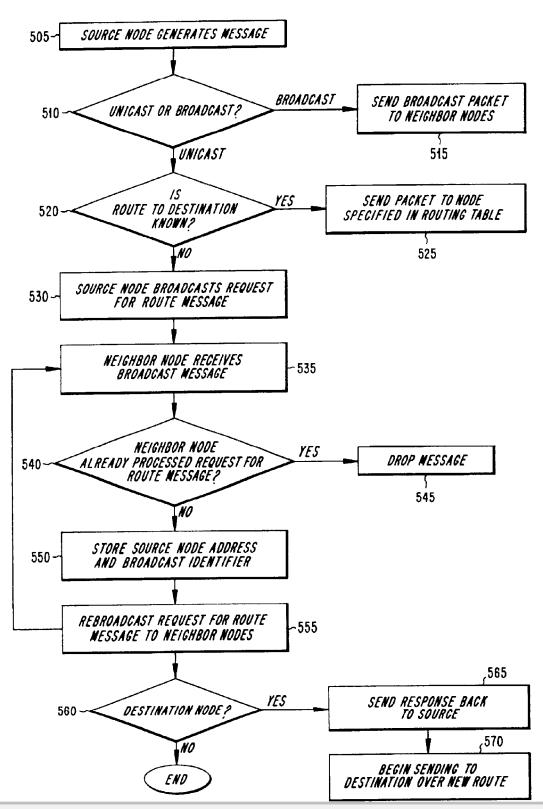
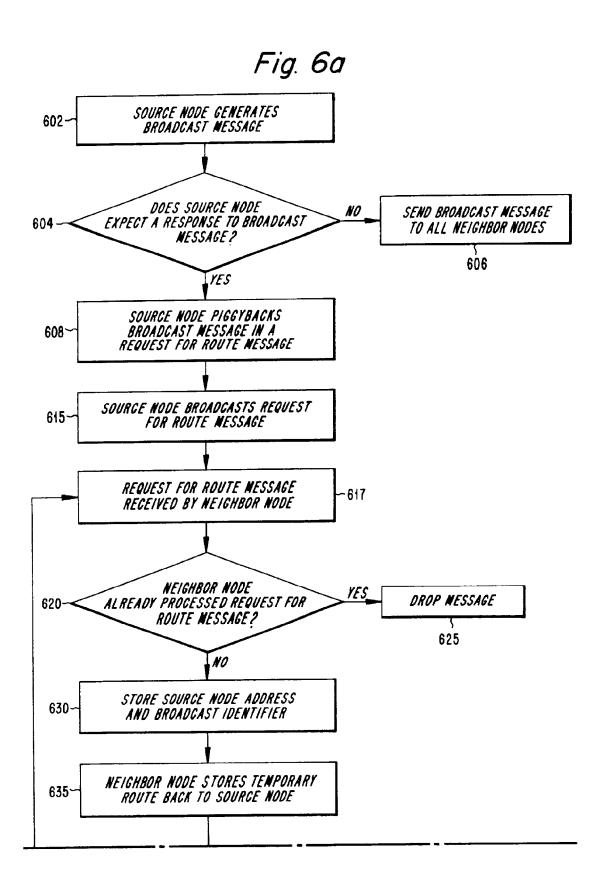




Fig. 5
Prior Art







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