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Larsson et al.

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

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

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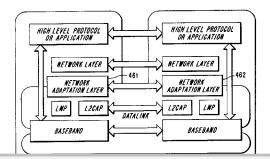
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ABSTRACT

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.

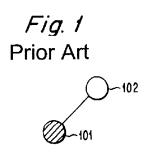
36 Claims, 11 Drawing Sheets

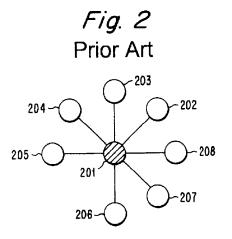


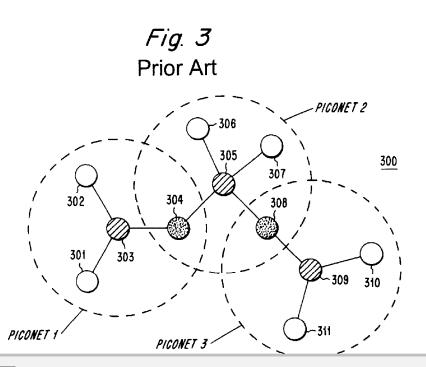
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Fig. 4a Prior Art

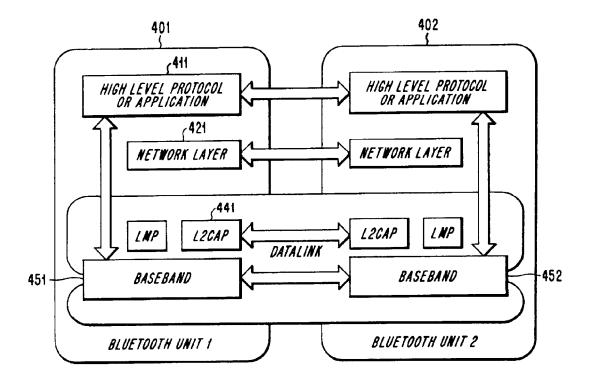
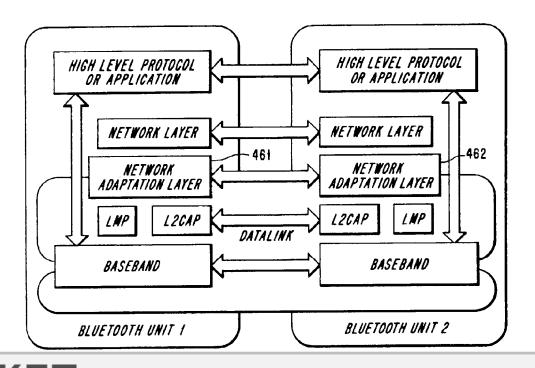
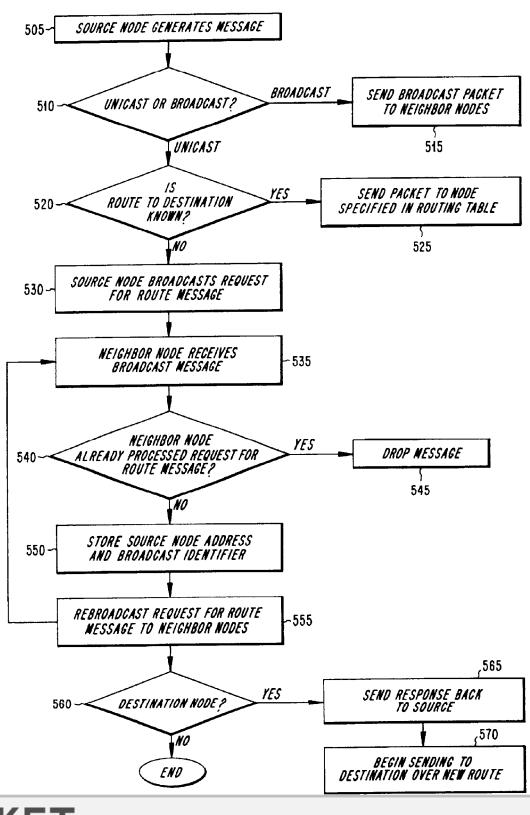


Fig. 4b



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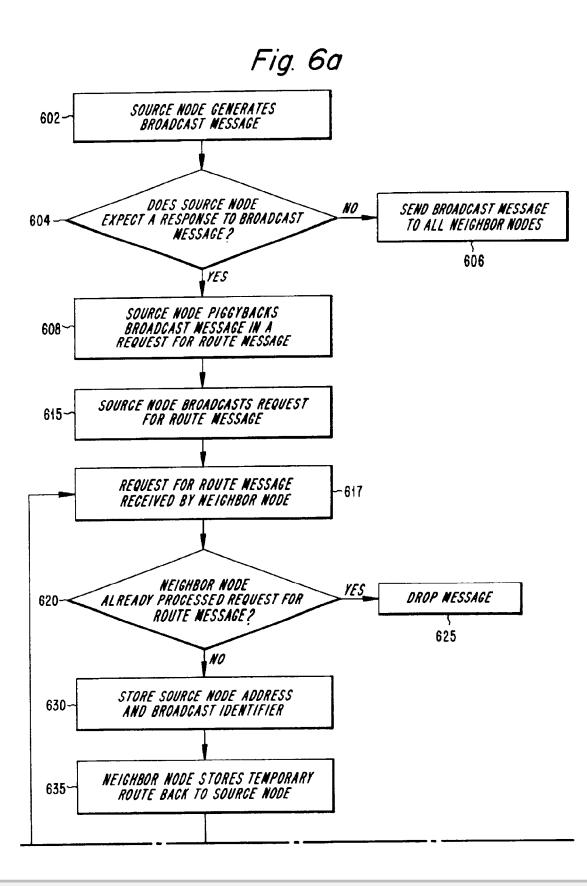
Fig. 5 Prior Art



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