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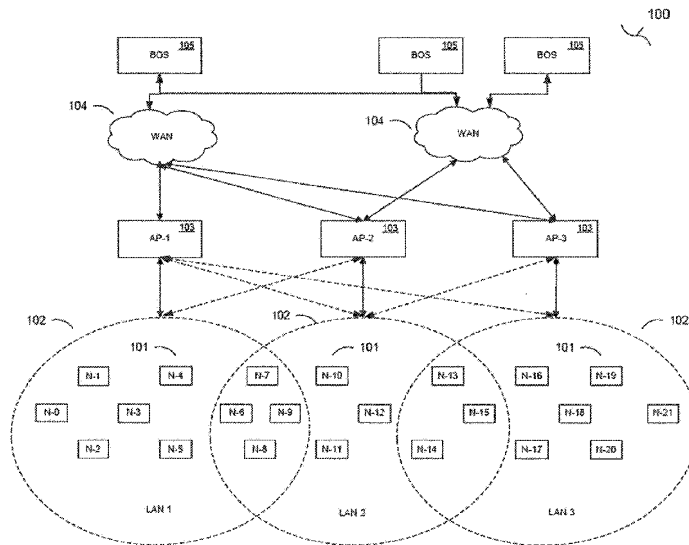


Figure 1

(57) Abstract: A wireless communication system includes a first wireless network having first nodes each assigned a unique first address, a second wireless network having second nodes each assigned a unique second address, a border router node constituting an interface between the second network and a third wireless network, and at least one access point constituting an interface between the first and third networks. At least one of the first nodes is a mesh router node in the first network and a border router node in the second network (MR/BR node). The MR/BR node has unique addresses respectively assigned in the first and second networks. The MR/BR node receives a communication in the first network and transmits it to at least one second node in the second network. The MR/BR node receives a communication in the second network and transmits it to at least one first node in the first network.

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