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(57) **ABSTRACT**

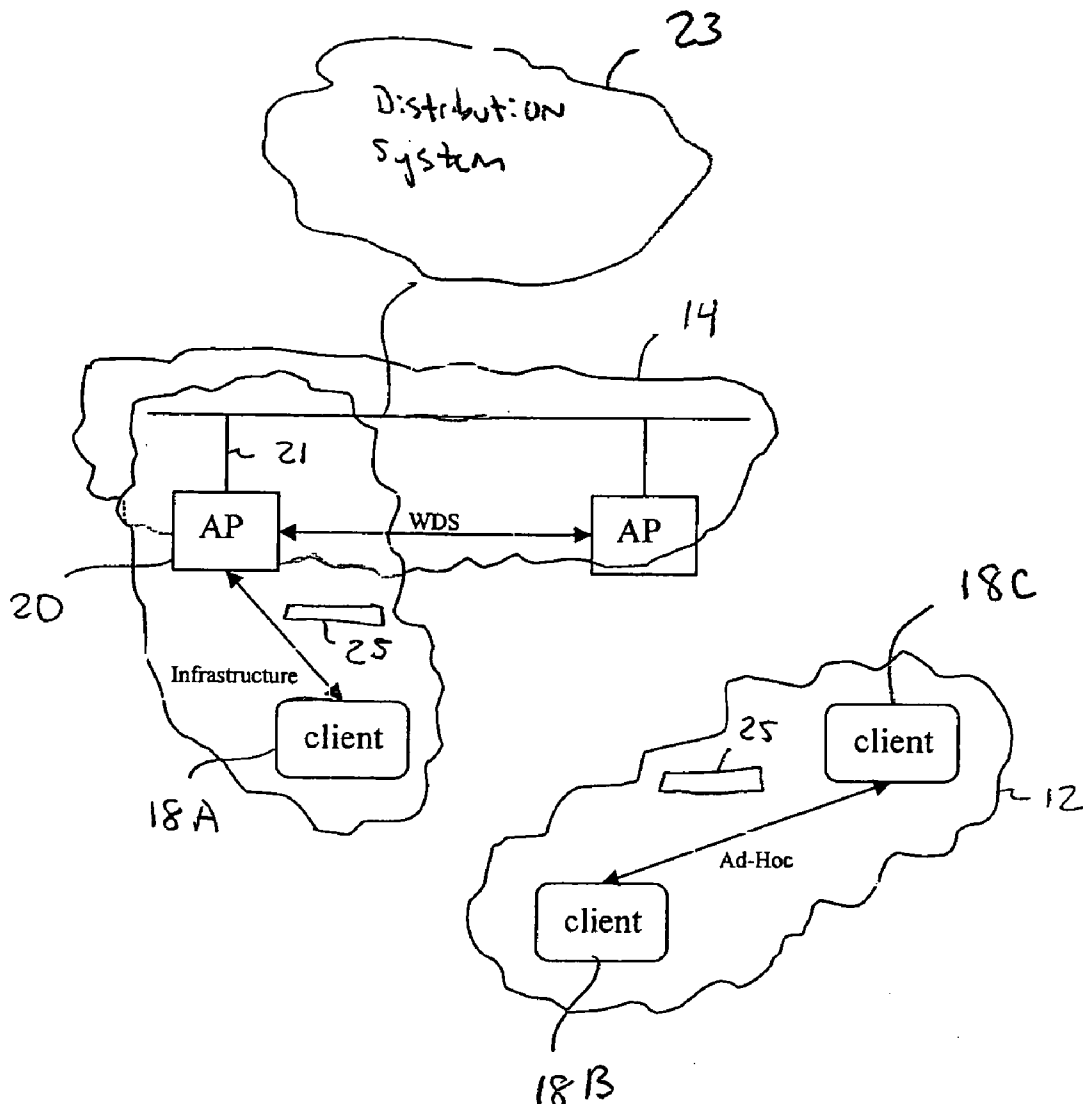
A Generic Client (GC) operates multiple virtual network interfaces that communicate simultaneously to different networks. Each virtual interface is capable of independent communication over an associated network through the same physical interface. In one implementation, the GC provides simultaneous communication with both infrastructure and ad-hoc networks in compliance with the IEEE 802.11 protocol. The GC provides these dual modes of operation by instantiating different infrastructure and ad-hoc virtual interfaces.

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(60) Provisional application No. 60/542,644, filed on Feb. 5, 2004.



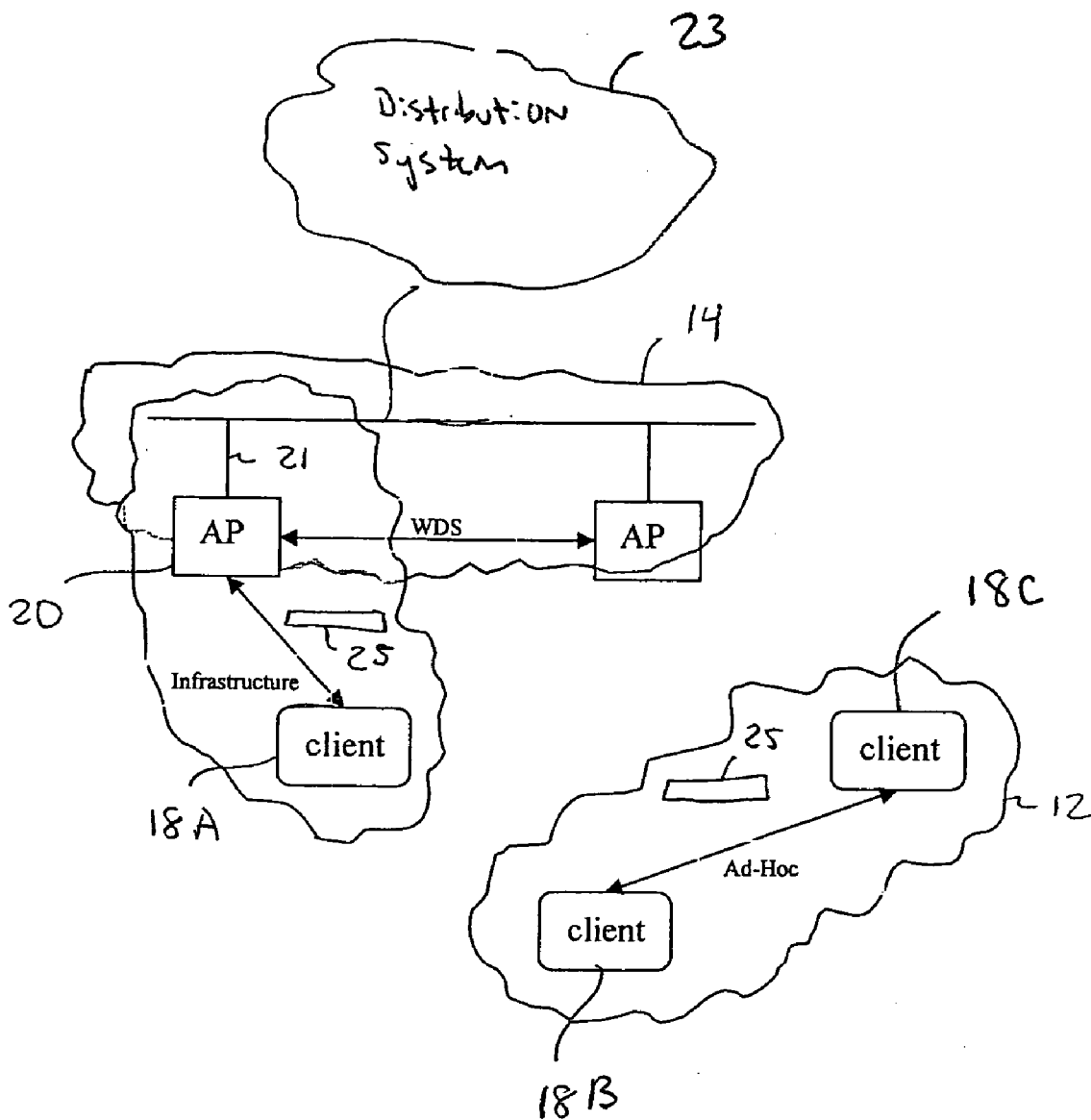


Figure 1

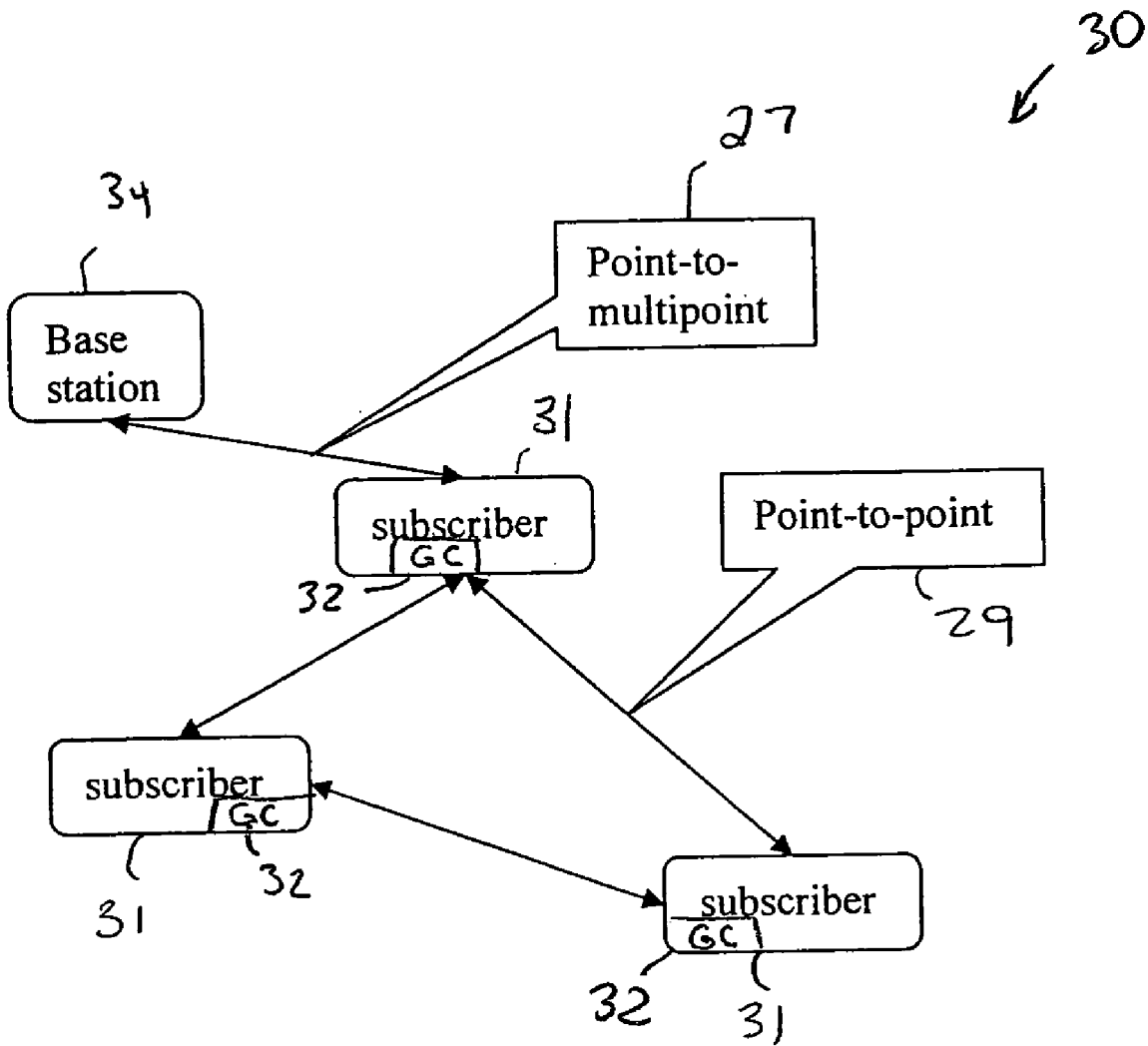


FIG. 2

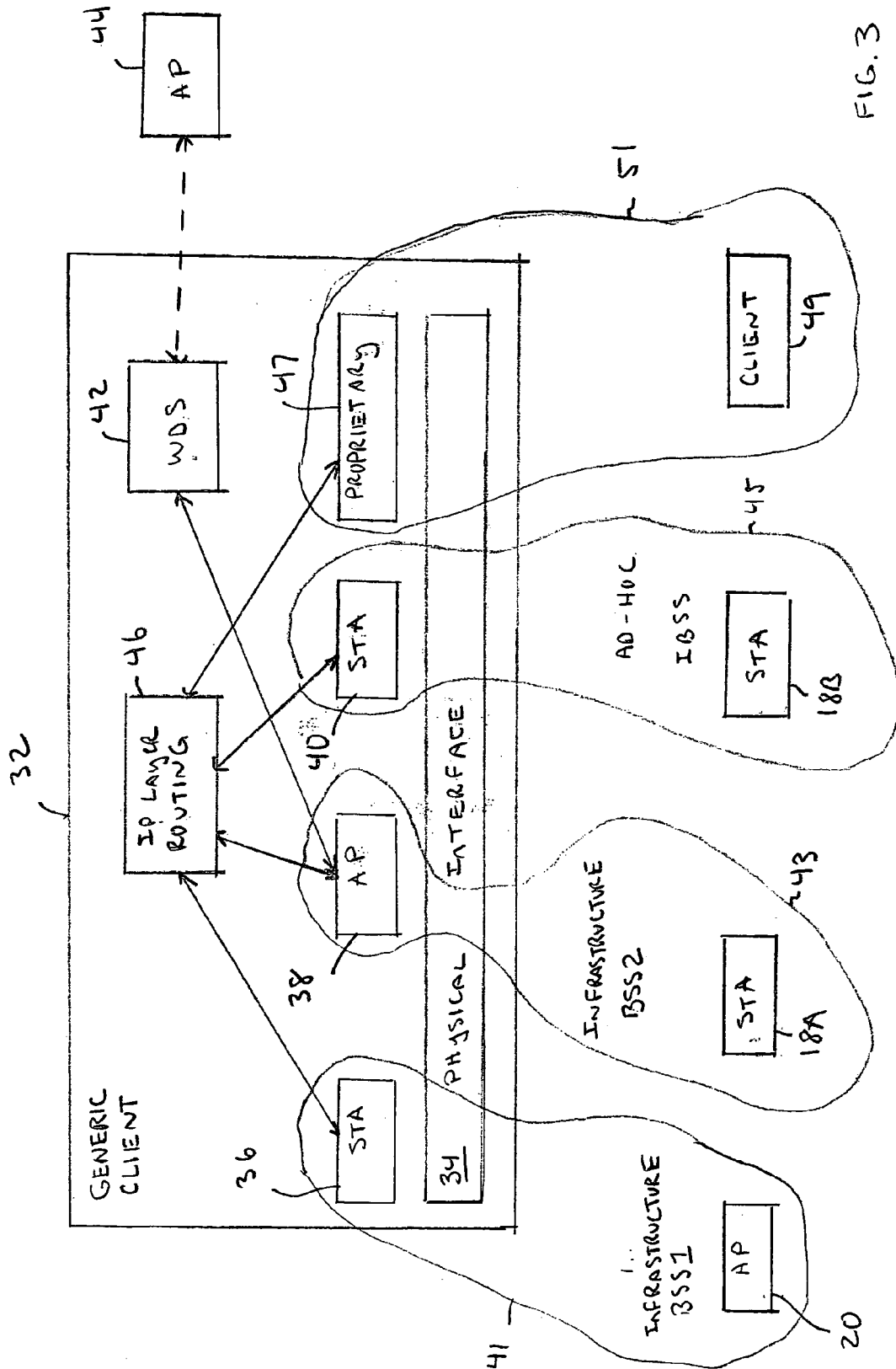


FIG. 3

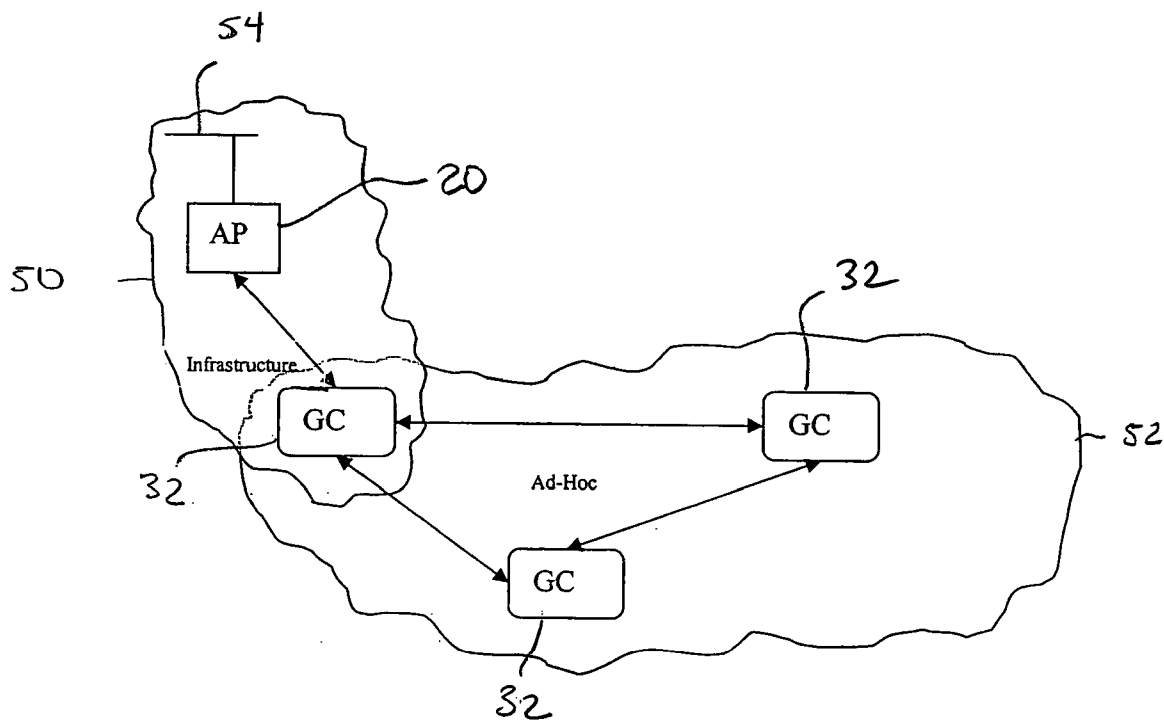


FIG 4

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