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(54) Title: PHASED ARRAY ANTENNA ASSEMBLY

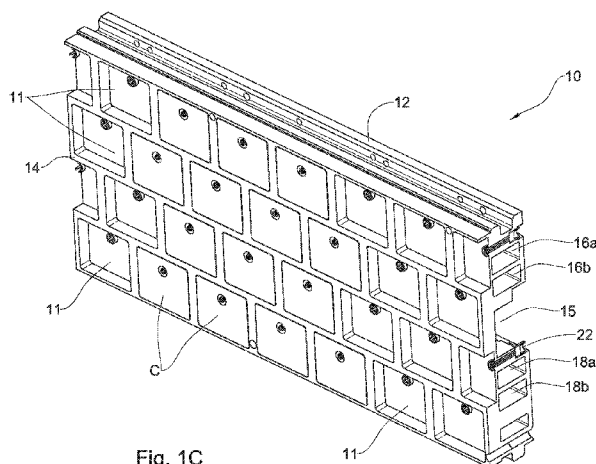


Fig. 1C

(57) Abstract: A carrier plate configured for mounting thereto of a plurality of communication units to form a phased array antenna; The carrier plate is integrally formed with a plurality of sockets, each of the sockets being adapted to receive therein at least one of the plurality of communication unit; The carrier plate is further integrally formed with one or more cooling channels extending along the carrier plate and associated with the sockets; The channels are configured for passage of a cooling fluid therethrough for cooling of the plurality of units during operation of the antenna.