IMPROVED ANTENNA ARRANGEMENT

ABSTRACT

Disclosed is an antenna array (100) which intersperses transmit antenna elements (320) and receiving antenna elements (310) on a common base (230), arranging, in sub-arrays (240), subsets of the transmit antenna elements and subsets of the receiving antenna elements, using respective printed transmission lines (221) to interconnect transmit antenna elements and receive antenna elements on each sub-array, and in regard to each sub-array, using cables (600) to connect the interconnected transmit antenna elements and the interconnected receiving antenna elements sub-arrays to the antenna input (400) and output (500).

[Fig. 4]