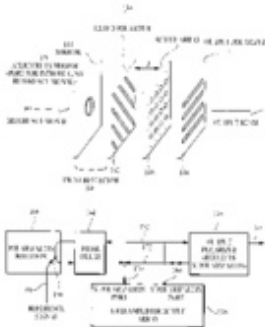
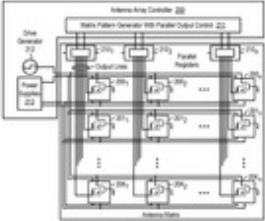
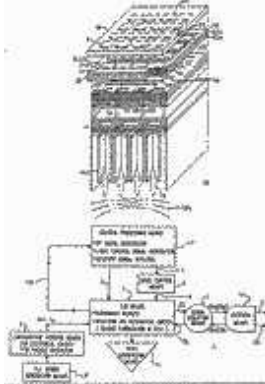


5 results for 11 and matrix - Collection: FAMPAT

#	  Title	Publication number	Publ. date	Applicant/Assignee		
1.	Mode translating waveguide adapter for a quasi-optic grid array	EP1770821	2007-04-04	CALIFORNIA INSTITUTE OF TECHNOLOGY		
The present invention discloses a simple adapter that transitions between a standard rectangular waveguide environment and the quasi-plane wave (quasi-TEM mode) environment of an active grid array assembly. The device may serve as a mode expanding waveguide feed or as a mode contracting waveguide collector.						
2.	A distributed direct drive arrangement for driving cells	WO2017/106105	2017-06-22	KYMETA KAIMETA		
A method and apparatus is disclosed herein for a direct drive mechanism for driving cells (e.g., liquid crystal (LC) cells, RF MEMS cells, etc.). In one embodiment, the antenna comprises an antenna element array having a plurality of antenna elements with each antenna element having one or more cells (e.g., liquid crystal (LC) cell, RF MEMS cell, etc.); drive circuitry coupled to cells in the antenna element array to provide a voltage to each of the cells; and memory to store a data value for each cell to determine whether the cell is on or off.						
3.	A transmit-receive means for phased-array active antenna system.	EP0346394	1989-12-20	NORTHROP GRUMMAN WESTINGHOUSE ELECTRIC		
An improved phased-array active antenna transmit-receive apparatus (1a, 1b) utilizing a multiplicity of individual transmit-receive cells (7) positioned in an array format upon a common wafer (17) of semiconductor material. Each transmit-receive cell (7) comprises a multiplicity of redundant, integrated circuit, electronic devices implanted upon the common semiconductor substrate (17). The transmit-receive cells (7) utilize novel mitered mechanical switches to permanently interconnect individual electronic devices into either transmit or receive circuits during the fabrication and test of the transmit-receive cells (7). Radio frequency and direct current input and output vias (57, 61, 62) formed from a novel metal evaporation technique connect the devices upon the surface of the common semiconductor wafer (17) to underlying, insulated direct current distribution circuits (66) and a radio frequency manifold (67). This array of improved phased-array active antenna transmit-receive apparatus (1a, 1b) comprised of transmit-receive cells (7) sharing common central processing unit (2), logic control (5) and heat dissipation apparatus (11) results in a significant reduction in the size and weight of the standard phased-array active antenna system.						

4.

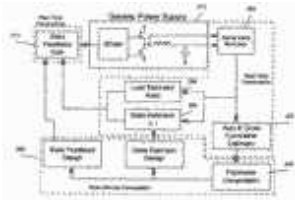
Methods and systems for adaptive control

EP1952207

2008-08-06

L & L ENGINEERING

A system comprising a switching power supply, an adaptive plant estimation component capable of receiving an output voltage from the switching power supply and an input to the switching power supply and of providing a model of the switching power supply; the model reflecting changes in output voltage state of the switching power supply, a compensator design component capable of receiving the model of the Switching power supply and of providing compensator parameters, the compensator parameters reflecting changes in output voltage state of the switching power supply, an adaptive compensator capable of receiving the compensator parameters and of providing the input control signal to the driver component.



5.

Discovering neighbors in wireless personal area networks

EP2253067

2010-11-24

INTEL

(EP2253100)
A neighbor discovery protocol enables a network coordinator to provide time periods during which different classes of devices produce training sequences. The coordinator can transmit information about these time periods in a plurality of different directions so that in-range devices with directional antenna systems receive the communication. The coordinator can also compile interference reports during the neighbor discovery period and thereafter. These reports may be useful in determining whether or not spatial reuse is appropriate between two particular nodes in a given link, in a particular direction.

