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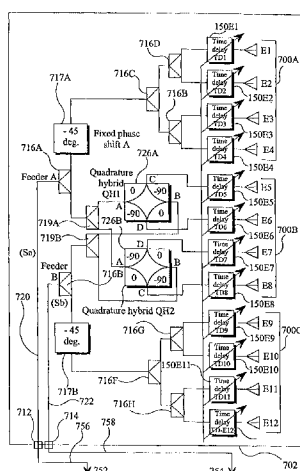
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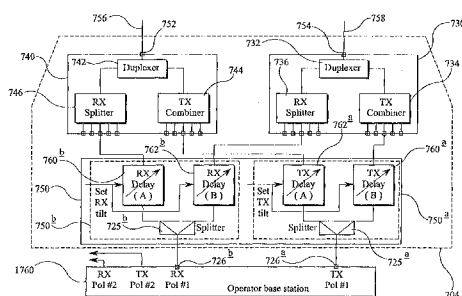
— with international search report

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(54) Title: ANTENNA SYSTEM



a



b

(57) Abstract: An antenna system for use in transmitting and/or receiving at least two signals, whereby a first one of said signals is generated in a first operator frequency band by a first operator (1760A) and a second one of said signals is generated in a second operator frequency band by a second operator (1760B). The antenna system comprises an antenna assembly (702) having an adjustable angle of electrical tilt, and including a plurality of antenna elements (E1-E_n) for transmitting and/or receiving said signals, wherein the antenna elements are mounted upon an antenna carrier and are arranged in at least two sub-arrays (700A, 700B, 700C), each sub-array including one or more of said elements. Control means (750) are provided for controlling electrically the phase of signals transmitted and/or received by said antenna assembly, thereby to control the angle of electrical tilt of said antenna assembly. Combiner means (730, 740) for enabling said antenna assembly to transmit and/or receive substantially simultaneously a first one of said signals at a first angle of electrical tilt and a second one of said signals at a second angle of electrical tilt.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

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