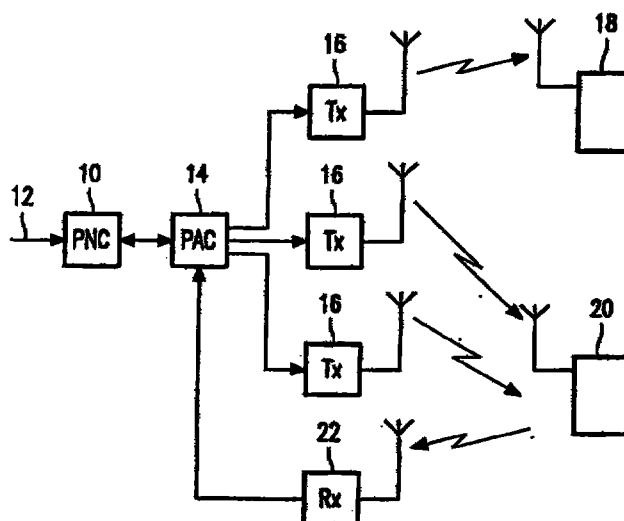


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(54) Title: METHOD OF, AND SYSTEM FOR, TRANSMITTING MESSAGES



(57) Abstract

A message transmission system comprising at least one primary station (10, 14, 16, 22) having means for making transmissions on a down-link and a plurality of secondary stations (18, 20) having means for making transmissions on an up-link in response to an invitation issued by the primary station on the down-link. Each of the secondary stations has means for generating responses to messages as pseudo-random data sequences. The generation of these responses commences at an integer multiple of a unit time period after a time reference determined with respect to the invitation signal. A secondary station may wish to transmit a second or a further response signal associated with the originally received message and for which no invitation is issued. Said second or further response signal is transmitted at a point in time which is another integer multiple of the unit time period after the said time reference.