

Title (en)
SWITCH MATRIX

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Application
EP 85112072 A 19850924

Priority
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Abstract (en)
[origin: US4890267A] A switch matrix for a transceiver of ultrasonic waves containing a configuration of electroacoustic transducer elements in which in succession proceeding over the arrangement a group of transducer elements can be activated, contains a number of inputs (K1, K2, K3, K4), the number corresponding to the number of transducer elements of a group which are each connected to one of the activated transducer elements, an equal number of outputs (R1, R2, R3, R4) connected to delay elements and a large number of switches T11, T12, . . . , T44) to establish each of the connections required for electronic focusing between the inputs and the outputs. Each input line (K1) is connected to a number of switches (T11, T12, T13, T14), this number corresponding to the number of transducer elements of a group. The switches of the switch matrix are activated through a control circuit (50) over a number of control lines (L1, L2, L3, L4), this number corresponding to the number of transducer elements of a group. Each of these control lines is connected to a number of transducer elements, the number corresponding to the number of transducer elements of a group.

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