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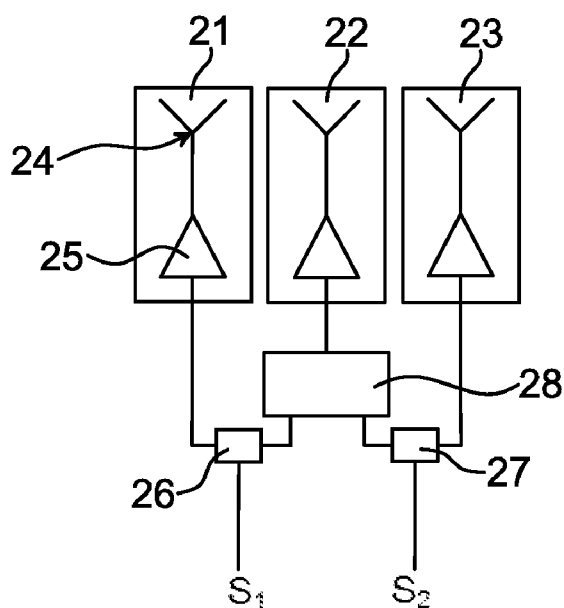


Fig. 3

(57) Abstract: The invention relates to an active antenna arrangement (20; 30; 50) for transmitting precoded signals in a communication system (100) supporting multi-stream beam-forming. The active antenna arrangement (20; 30; 50) comprises: three or more active antenna devices (21, 22, 23; 31, 32, 33, 34, 35; 51, 52, 53, 54, 55, 56) each comprising an antenna element (24) and a power amplifier (25); at least a first and a second splitter (26, 27; 41, 42, 43, 44; 63, 64, 65, 66), each arranged to split a respective one of the precoded signals into two or more split precoded signals; and at least one combiner (28; 45, 46, 47; 57, 58, 59, 60, 61, 62) arranged to: receive one of the two or more split precoded signals from the first splitter, and one of the two or more split precoded signals from the second splitter, and combine the received split precoded signals for transmission by a single one of the active antenna devices (21, 22, 23; 31, 32, 33, 34, 35; 51, 52, 53, 54, 55, 56). The invention also relates to a base station, methods and computer programs.