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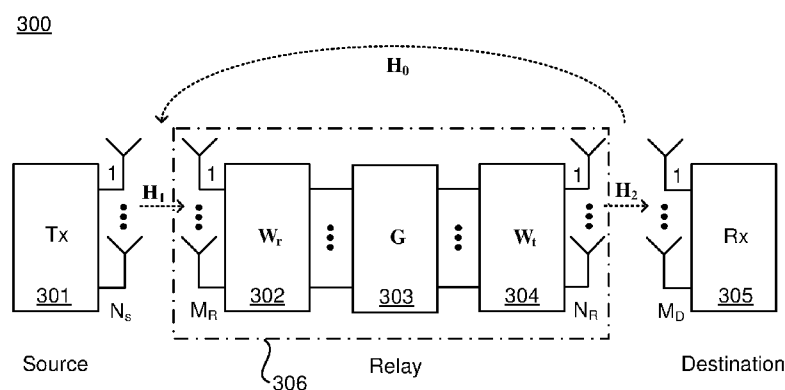
(54) **Title:** SELF-INTERFERENCE SUPPRESSION IN FULL-DUPLEX MIMO RELAYS

Fig. 3

(57) **Abstract:** A method, and an apparatus, for self-interference suppression in a relay (300) for wireless communication, wherein the relay (300) is arranged for receiving a signal $r(n)$ transmitted from a transmitter (301), and for transmitting a self-interference suppressed transmit signal $x_r(n)$ to a receiver (305). The self-interference suppressed transmit signal $x_r(n)$ is achieved by determining (402) a receive suppression filter matrix W_r (302), determining a relay amplification matrix G (303), and determining (403) a transmit suppression filter matrix W_t (304), and then applying the suppression filters and the amplification matrix to the received signal $r(n)$.