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(54) Title: A WIRELESS DIGITAL COMMUNICATION SYSTEM, A RADIO APPARATUS, A DIGITAL SPEAKER, AND A DIGITAL SPEAKER CONTROLLING APPARATUS (57) Abstract Known are wireless digital communication systems (1) applying an antenna diversity scheme to combat fading in a received signal as received by a receiver in the system. A simple and robust antenna diversity scheme is proposed in a radio apparatus (3) having a single receiver front-end (31). In the system (1), digital radio signals are transmitted to the radio apparatus (3). The transmitted radio signals comprise redundant information for allowing error correction at reception side. The error correction capability at reception side is applied for antenna diversity switching. Within the error correction capability of an error correction decoder (32) comprised in the radio apparatus (3) the radio apparatus (3) searches for a better antenna or antenna combination. When a better antenna or antenna combination is found, the receiver front-end (31) is coupled to this better antenna or antenna combination.		