

**ABSTRACT**

A radio module (1) for a radio base station of a mobile radio system which transmits and receives radio signals from stationary or moving mobile radio stations over given frequencies. A module comprises an antenna part (2) and a transceiver part (3) of given mechanical construction. Each module of a base station transmits and receives over a given specific frequency which may be different when transmitting and receiving but which is not the same frequency as that used by any other module in the station. The construction of a module is described with reference to Figures 1-4. A radio base structure (Figure 6) is comprised of a plurality of modules, each having its own specific or individual transmitting and receiving frequency and being provided with suppression means (C1) which prevent a module from disturbing neighbouring modules. A radio base structure having diversity reception is described with reference to Figures 7-8.

Figure 8