

CLAIMS

1. A radio base station (17), comprising

- a first radio module (21, 23) for radio communication with first radio communication devices (11, 16) assigned thereto, and
- a second radio module (22) for radio communication with second radio communication devices (2 - 10) assigned thereto,

the two radio modules (21, 22, 23) have a coupling (24) to each other, and

- the one radio module (22) is designed to influence the radio activity of the other radio module (21) by means of the coupling (24) and
- the other radio module (21, 23) is designed such that it can be influenced with regard to the radio activity thereof, and
- wherein the one radio module (22) designed for influencing is also designed to communicate with electronic price indication signs as the second radio communication devices (2 - 10), and
- wherein in the communication with the electronic price indication signs (2 - 10) a time-slot communication method is applied, in which in a recurring sequence a number of time slots (Z1 - ZN) are available for communication per time-slot cycle, wherein in particular each time slot (Z1 - ZN) is identified by a unique time slot symbol (ZS1 - ZSN), and

- wherein the radio activity of the other radio module is always influenced when the influencing radio module either wants or needs to communicate a synchronization data signal comprising the time slot symbol to the electronic price indication sign.
2. The radio base station (17) according to claim 1, wherein the one radio module (22) is designed to generate and output a radio activity control signal (FS) to the other radio module (21, 23) and the other radio module (21, 23) is designed for receiving and evaluating the radio activity control signal (FS) with regard to its information content and for influencing the radio activity thereof in accordance with the information content.
 3. The radio base station (17) according to any of the previous claims, wherein the coupling (24) is implemented by means of a cable or cabling system between the two radio modules (21, 22, 23).
 4. The radio base station (17) according to any of the previous claims, wherein the other radio module (21, 23), which can be influenced with regard to the radio activity thereof, is designed in such a way that in accordance with the influencing by the one radio module (22) it:
 - suspends its radio activity, and/or
 - resumes its radio activity, and/or
 - suspends its radio activity during a predefined time period or in accordance with a time period defined by the one radio module (22) and/or

- adjusts its transmission power automatically to a predefined value or adapts it to a value defined by the one radio module (22), and/or
 - adapts its radio channel assignment according to a predefined scheme, or to a scheme defined by the one radio module (22).
5. The radio base station (17) according to any of the previous claims, wherein the other radio module (21, 23), which can be influenced with regard to the radio activity thereof, is designed to communicate in accordance with a WLAN standard with WLAN-enabled radio communication devices (11, 16), or to communicate with electronic price indication signs as radio communications devices.
 6. The radio base station (17) according to any of the previous claims, wherein the one radio module (22) designed for influencing is designed to predictively determine the time at which the influencing occurs.
 7. The radio base station (17) according to claim 6, wherein the time at which the influencing occurs is specified on the basis of the expected time at which a communication occurs between a radio communication device (2 - 10) and the one radio module (22) designed for influencing.
 8. The radio base station (17) according to any of the previous claims, which comprises a host computer (20) that can be coupled by means of a wired computer network (19) to a server (18) and is designed to exchange data between the server (18) and the radio modules (21 - 23), wherein the host computer (20) is designed:

- for transmitting data
- + between the server (18) and the host computer (20) based on a network protocol, in particular the TCP/IP protocol, and
- + between the radio modules (21 - 23) and the host computer (20) based on an interface protocol, in particular a serial interface protocol, and
- for tunnelling raw data traffic between the radio modules (21 - 23) and the server (18).

9. A system (1), comprising

- a radio base station (21 - 23) according to any of the previous claims 1 - 8, and
- a server (18) coupled to the radio base station (17) for providing or processing data relating to the communication with the radio communication devices (21 - 23).

10. The system (1) according to claim 9, wherein

- the server (1) is designed to provide a virtual instance (34; 35, 36) of a radio base station, and
- the radio base station (17) is designed for tunnelling a raw data traffic (RD) between the radio modules (21 - 23) and the virtual instance (34; 35, 36) of the radio base station.