

Title (en)
WIRELESS CO-TENANT BASE STATION

Title (de)
BASISSTATION FÜR MEHRERE DRAHTLOSE ENDGERÄTE

Title (fr)
STATION DE BASE SANS FIL POUR LA DESSERTE COMMUNE DE TERMINAUX MULTIPLES

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Application
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Abstract (en)
[origin: WO9937035A1] A base transceiver station (40) includes a first transceiver configured to communicate with a first mobile station on a first frequency band (SA), and a second transceiver configured to communicate with a second mobile station on a second frequency band (SB). These bands can be, for example, 900 Mhz and 1800 Mhz frequency bands. The base transceiver station (40) includes a processor configured to instruct the first transceiver to receive inbound information from the first mobile station and to transmit outbound information to the first mobile station and to instruct the second transceiver to receive inbound information from the second mobile station and to transmit outbound information to the second mobile station. A trunk module is coupled to the processor and configured to communicate the first information and the second information with a base station controller (20). The base station controller (20) is coupled to the base transceiver station (40) and configured to communicate the inbound information and outbound information with the base transceiver station (40). In one embodiment, a time division multiplexing technique is used to communicate the inbound information and outbound information between the base transceiver station (40) and base station controller (20). Advantages of the invention include the ability to incorporate multiple transceivers communicating over multiple frequency bands in a single base transceiver station (40). This allows easier placement of the various transceivers in a single location and improves cellular service to mobile stations.

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