relatively high to a lower value and supplies this lower value as said transmission power control signal for that channel; supplies the provisionally determined transmission power values for all other channels to the corresponding ones of said base station side transceivers as said transmission power control signals; or if said sum does not surpass the predetermined value, supplies the provisionally determined transmission power values for said plurality of channels to the corresponding ones of said base station side transceivers as said transmission power control signals.

3. A base station for use in a mobile communication system, as claimed in claim 2, wherein said transmission power control unit, if there is any value outside the range prescribed for each channel among the transmission power values provisionally determined on the basis of transmission power instruction signals for the respective channels, changes that provisionally determined value which is out of said range to a value within said range.

4. A base station for use in a mobile communication system, as claimed in claim 1, wherein said transmission power control unit, if said sum surpasses a predetermined value, corrects said provisionally determined transmission power values according to the difference between said sum and said predetermined value and supplies the corrected values as said transmission power control signals to the corresponding ones of said base station side transceivers, or if said sum does not surpass the predetermined value, supplies the provisionally determined transmission power values for said plurality of channels to the corresponding ones of said base station side transceivers as said transmission power control signals.

5. A base station for use in a mobile communication system, as claimed in claim 4, wherein said transmission power control unit, if there is any value outside the range prescribed for each channel among the transmission power values provisionally determined on the basis of transmission power instruction signals for the respective channels, changes that provisionally determined value which is out of said range to a value within said range.

6. A mobile communication system in which a base station and a plurality of mobile terminals communicate with each other over preset communication channels, wherein:

each of said plurality of mobile terminals is provided with:

a receiving condition detector for assessing the quality of receive signals received from said base station over a channel set for that mobile terminal, and generating a transmission power instruction signal for requesting said base station to change its transmission power according to the assessed quality, and

a mobile terminal side transceiver for receiving signals from said base station, and transmitting data to be transmitted to said base station and said transmission power instruction signal to said base station; and

said base station is provided with:

a plurality of base station side receivers, one provided for each of said channels, for receiving signals from a corresponding mobile terminal, separating said transmission power instruction signal from receive signals, amplifying the signals to be transmitted to the mobile terminal of the corresponding channel at a level of transmission power designated by the transmission power control signal, and transmitting these signals to the corresponding mobile terminal, and

a transmission power control unit which is supplied with transmission power instruction signals separated by said plurality of base station side transceivers, provisionally determines the transmission power levels of said plurality of transceivers on the basis of these transmission power instruction signals, corrects the provisionally determined transmission power levels according to the sum of the provisionally determined transmission power levels, and supplies values indicating the corrected transmission power levels to said plurality of base station side transceivers as said transmission power control signals.

7. A mobile communication system, as claimed in claim 6, wherein said transmission power control unit, if said sum surpasses a predetermined value, corrects the provisionally determined transmission power value of any of said plurality of channels which is relatively high to a lower value and supplies this lower value as said transmission power control signal for that channel; supplies the provisionally determined transmission power values for all other channels to the corresponding ones of said base station side transceivers as said transmission power control signals; or if said sum does not surpass the predetermined value, supplies the provisionally determined transmission power values for said plurality of channels to the corresponding ones of said base station side transceivers as said transmission power control signals.

8. A mobile communication system, as claimed in claim 7, wherein said transmission power control unit, if there is any value outside the range prescribed for each channel, among the transmission power values provisionally determined on the basis of transmission power instruction signals for the respective channels, changes that provisionally determined value which is out of said range to a value within said range.

9. A mobile communication system, as claimed in claim 6, wherein said transmission power control unit, if said sum surpasses a predetermined value, corrects said provisionally determined transmission power values according to the difference between said sum and said predetermined value and supplies the corrected values as said transmission power control signals to the corresponding ones of said base station side transceivers, or if said sum does not surpass the predetermined value, supplies the provisionally determined transmission power values for said plurality of channels to the corresponding ones of said base station side transceivers as said transmission power control signal.

10. A mobile communication system, as claimed in claim 9, wherein said transmission power control unit, if there is any value outside the range prescribed for each channel among the transmission power values provisionally determined on the basis of transmission power instruction signals for the respective channels, changes that provisionally determined value which is out of said range to a value within said range.

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