

transport channel data and wherein a bit size of the TCTF field is selected to determine the modulo N bit size M of the MAC header.

11. A CDMA data communication system according to claim 10 wherein the TCTF data field bit size is 3 with respect to FACH MAC headers associated with the CCCH, ~~TCCH~~, ~~SCCH~~, CTCH, SHCCH and BCCH logical channels, the TCTF data field bit size is 5 with respect to the FACH MAC headers associated with the DCCH and DTCH logical channels, the TCTF data field bit size is 2 with respect to RACH MAC headers associated with the CCCH and SHCCH logical channels, and the TCTF data field bit size is 4 with respect to the RACH MAC headers associated with the DCCH and DTCH logical channels.

12. A CDMA data communication system according to claim 11 wherein M equals 3 for each MAC header associated with said logical channels for the FACH transport channel and M equals 2 for each MAC header associated with the logical channels for the RACH transport channel.

13. A CDMA data communication system according to claim 1 wherein, for each transport channel associated with a set of at least two logical channels of different types, a fixed MAC header bit size associated with each logical channel within a respective set of logical channels is selected such that each fixed MAC header bit size

17. A CDMA data communication system according to claim 16 wherein M equals 3 for each MAC header associated with said logical channels for the FACH transport channel and M equals 2 for each MAC header associated with the logical channels for the RACH transport channel.

18. A CDMA data communication system according to claim 17 wherein, with respect to said FACH and RACH transport channels, each MAC header has a TCTF data field for data identifying the type of the selected logical channel associated with the transport channel data and wherein a bit size of the TCTF field is selected to determine the modulo N bit size M of the MAC header.

19. A CDMA data communication system according to claim 18 wherein the TCTF data field bit size is 3 with respect to FACH MAC headers associated with the CCCH, ~~TCCH~~, ~~SCCH~~, CTCH, SHCCH and BCCH logical channels, the TCTF data field bit size is 5 with respect to the FACH MAC headers associated with the DCCH and DTCH logical channels, the TCTF data field bit size is 2 with respect to RACH MAC headers associated with the CCCH and SHCCH logical channels, and the TCTF data field bit size is 4 with respect to the RACH MAC headers associated with the DCCH and DTCH logical channels.