This Sheet Has Been Replaced

DATA COMMUNICATION METHOD

ABSTRACT OF THE DISCLOSURE

In the data communication method in which the data frame transmitted from the transmission side to the reception side and the feedback frame transmitted from the reception side to the transmission side use a common format jointly, to propose a data communication method in which if there is no substantial data to be transported by the feedback frame on the reception side, the feedback frame is transmitted from the reception side to the transmission side without changing the format of the feedback frame and lowering the reception rate. In the data communication, the common format includes at least each data of the transmission data length, the transmission data, the data frame number and the repeat request frame number, and is added with the error detection code for the entirety of the data. If there is no substantial transmission data to be transported by the feedback frame on the reception side, then the feedback frame is arranged such that data unrelated to feedback information including at least the transmission data length, the transmission data and the data frame number within the feedback frame, are substituted with the predetermined fixed pattern, and thereafter an error detecting code for the entirety of the data is added thereto. Then, the feedback frame is transmitted from the reception side to the transmission side.