

DATA COMMUNICATION METHOD AND DATA
COMMUNICATION APPARATUS

ABSTRACT OF THE DISCLOSURE

In a data communication method of transmitting data frames from a first predetermined frame number to a last predetermined frame number from a transmission side data communication apparatus to a reception side data communication apparatus in an ascending order (or a descending order), transmitting from the reception side data communication apparatus to the transmission side data communication apparatus a feedback frame having the same format as that of the data frame and indicating a first request frame number $FB1(n)$ formed of a minimum (or maximum) frame number $FBM(n)$ among the frame numbers of data frames which have not been received in response to frame numbers of first to n th data frames received, and transmitting from the transmission side data communication apparatus to the reception side data communication apparatus a data frame which the reception side data communication apparatus has not confirmed, in response to the first request frame number indicated by the received feedback frame, the feedback frame also indicates a second repeat frame number $FB2(n)$ formed of a frame number $\{FBM(n)+1\}$ [or $\{FBM(n)-1\}$] among the frame numbers of data frames which have not been received to a k th request frame number $FBk(n)$ formed of a frame number $\{FBM(n)+(k-1)\}$ [or $\{FBM(n)-(k-1)\}$] (where k is an integer exceeding 2) in response to frame numbers of first to n th data frames which the reception side data communication apparatus has received.

Figure 8