

DATA TRANSMISSION SYSTEM AND ITS CONTROL METHOD AND
MULTIPLEXING METHOD

ABSTRACT OF DISCLOSURE

[Object] To achieve a data transmission system, comprising mutually connected plural hub units, capable of performing the realtime transmission right control as a united body even when hub units of the prior applied star-shaped data transmission system are arranged at dispersed locations.

[Construction] A data transmission system, comprising one sending and receiving control system and the other sending and receiving control system, which is a media access control system of the CSMA/CD system with plural terminals having data frame sending and receiving functions connected to ports of hub units in a star shape, and the hub units of both sending and receiving control systems are connected each other with signal transmission lines and at a certain point of time, one of the plural hub units performs the control of the transmission approval which enables to send data frames from a corresponding terminal to the ports in a prescribed sequence.

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