

ABSTRACT

The present invention provides a network system of a railcar, the network system being capable of efficiently performing maintenance work. One example of the network system of the railcar of the present invention includes: intra-car networks (N1 to N3) to which first and second apparatuses are connected; an inter-car network (NA) for transmission of information between the apparatuses mounted on different cars; routers (R1 to R3) each provided and connected between the corresponding intra-car network (N1 to N3) and the inter-car network (NA) and each including a network address translation portion configured to mutually convert a private address of the first apparatus and an IP address of the inter-car network (NA); and a maintenance transmission path forming unit configured to form a transmission path through which the transmission and reception of the information are performed between a maintenance terminal (5) and a maintenance target apparatus selected from the first and second apparatuses, the transmission path not passing through the network address translation portion of the car on which the maintenance target apparatus is mounted.