SYSTEM, COMMUNICATION SYSTEM FOR GENERATING ADDRESSES AUTOMATICALLY, AND ADDRESS CONVERSION SYSTEM

ABSTRACT

PROBLEM TO BE SOLVED: to achieve the maintenance, operation and monitoring of a network environment by: eliminating the specificity and complexity of operational management accompanying the connection of different networks; eliminating on-site installation/adjustment operations; and improving security.

SOLUTION: addresses for use only within a system are used to perform communications without using any addresses for use on the Internet or the like; any person can easily configure a network space on a group-by-group basis, e.g., a company-by-company basis, a department-by-department basis, or a project-by-project basis; path information or the like is registered with a center that manages a network; any connection between different types of devices can be implemented; relay apparatuses acquire path information and perform mutual verifications; and all information flowing through the paths are encrypted.

FIG. 1