

ALGORITHMS FOR PEER-TO-PEER MESSAGING SYSTEM

ABSTRACT

The present invention discloses a system that enables NAT traversing using UDP hole punching in a network comprising:

- a. At least 1 client devices connected to the global network using NAT
- b. At least 1 client devices connected to the global network and having publicly available IP addresses
- c. Software for each client implementing a protocol to perform UDP hole punching using pre-defined addresses of clients with publicly available IP addresses, distribute information about clients having publicly available IP addresses, clients successfully passed the NAT traversing and clients using relay servers with relay servers' information

[Figure 1]