

ABSTRACT OF THE DISCLOSURE

A parameter sharing part 34 performs, by communication, processing for sharing an encryption algorithm and parameters indicative of encryption of data except a header with an apparatus of the other party; an
5 encryption/authenticator adding part 33 calculates the shared parameters an authenticator for data authentication of an RTP packet in its entirety from an application part 31, then adds the authenticator to the RTP packet, then encrypts it except its header, and outputs the packet to a transport part 32; and
10 the transport part adds a UDP header to the said non-encrypted RTP header to form a UDP packet and provides it to a network part 35.

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