Abstract:

Disclosed is a system for managing communications within a network collaboration group. The system comprises: a generator (110) for generating a new nonce value; an incorporator (120) for incorporating an expected nonce value and the new nonce value in a message to be transmitted; an encryptor (130) for encrypting the message; a transmitter (140) for transmitting the encrypted message from a sender node of the group to a recipient node of the group; and a verifier (150, 160, 170) for verifying, by the recipient node, that the encrypted message includes the expected nonce value.