

ABSTRACT

METHOD FOR SECURING TRANSMISSION DATA AND SECURITY SYSTEM FOR IMPLEMENTING THE SAME

A method for securing transmission data is implemented by a security system (10, 20, 30) including first and second security modules (1, 2). The first security module (1) makes public a first public key. The second security module (2) provides a second public key and second verification data to the first security module (1) after encrypting them using the first public key. The first security module (1) decrypts the encrypted second public key using a first private key, and provides first verification data to the second security module (2) after encrypting it with the second public key. The first and second security modules (1, 2) verify each other using the encrypted second and first verification data, respectively. The security system (10, 20, 30) allows data transmission through the first and second security modules (1, 2) when verification is successfully completed.

(Figure 2)