A B S T R A C T

Upon receiving ciphertext data transmitted by each service apparatus (S_1, S_2), a cooperation apparatus (20) according to an embodiment generates re-encrypted data by performing re-encryption processing for the ciphertext data using a re-encryption key. Each of the service apparatuses transmits, to the cooperation apparatus, a request to acquire user information of a user specified by an ID indicated by the ciphertext data and stored in the other service apparatus, together with the ciphertext data. Upon receiving the re-encrypted data transmitted by the cooperation apparatus, the service apparatus acquires an ID by decrypting the re-encrypted data using a private key, reads out user information, and transmits the user information to the other service apparatus.