

SECURELY PERFORMING CRYPTOGRAPHIC OPERATIONS

ABSTRACT

Disclosed herein are methods, systems, and apparatus, including computer programs encoded on computer storage media, for securely performing cryptographic operations. One of the methods includes receiving biometric information associated with a user and a request to perform one or more cryptographic operations based on one or more cryptographic keys stored in a memory of an identity cryptographic chip (ICC); comparing the biometric information associated with the user with biometric information pre-stored in the memory of the ICC as pre-stored biometric information; and in response to determining that the biometric information matches the pre-stored biometric information, authorizing the one or more cryptographic operations to be performed.

FIG. 2