SECURE REMOTE PAYMENT TRANSACTION PROCESSING

ABSTRACT

Embodiments of the present invention are directed to methods, apparatuses, computer readable media and systems for securely processing remote transactions. One embodiment of the invention is directed to a method of processing a remote transaction initiated by a mobile device comprising a server computer receiving a payment request including encrypted payment information. The encrypted payment information being generated by a mobile payment application of the mobile device and being encrypted using a third party key. The method further comprises decrypting the encrypted payment information using the third party key, determining a transaction processor public key associated with the payment information, and re-encrypting the payment information using the transaction processor public key. The method further comprises sending a payment response including the re-encrypted payment information to a transaction processor. The transaction processor decrypts the re-encrypted payment information using a transaction processor private key and initiates a payment transaction.

Fig. 1