SMP - Secure Messaging Platform

Description

Mobile devices are used today ubiquitously for both official & personal communications using SMS, MMS and Email. The devices hold a wealth of information (messages, pictures, email) that if they fall into the wrong hands they are likely to have a serious business/privacy implications. Encrypting content both in transit and storage will mitigate this threat to a certain extent. However it is challenging for the layman to use cryptographic technologies and deal with the issues such as key exchange, storage and update.

SMP is a mobile application & library that provides easy-to-use secure communication channel over SMS, MMS, Email between individuals/groups of users. It uses Near Field Communication (NFC) technology as the channel for distributing/exchanging a strong, password-protected 256-bit AES key. NFC provides the assurance that the keys are exchanged only with intended persons.

Features

- Password-protected 256-bit AES keys for securing content
- Uses NFC technology for key exchange to prevent MITM attacks
- Data is encrypted during transmission and storage on device

Applications

- Easy-to-use Secure Mobile Messaging
- Suitable for corporate management usage
- Useful for individual private communication

References

- Patent filing in process.

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