

Robust Watermarking of Databases in Order-Preserving Encrypted Domain

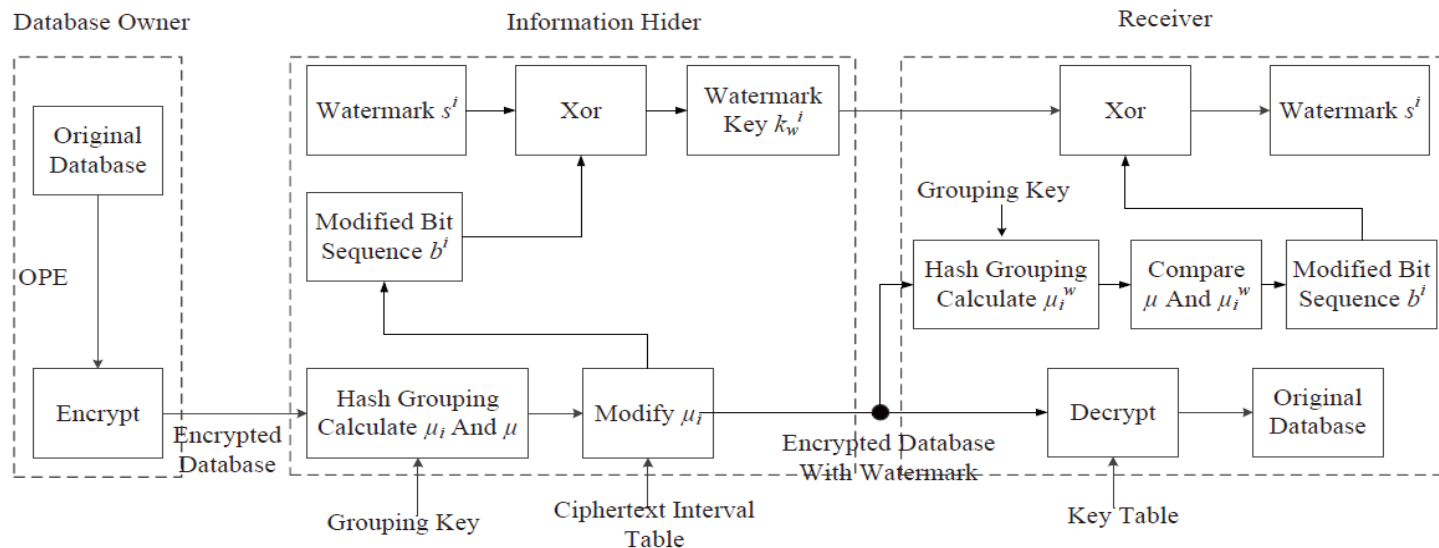
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Problems & Ideas

- Problems of database's security
 - Security of sensitive information in database
 - Copyright of database
- Ideas: Encryption and watermarking technique
 - Order-preserving encryption for protecting data
 - Watermarking technique for protecting copyright of database

Framework of propose algorithm



Main Contributions

- A robust database watermarking scheme in order-preserving encrypted domain for privacy protection and copyright authentication.
- Data query operations are still available for encrypted watermarking database.
- The scheme is robust against common database attack like modification, insertion and deletion attack.

- Robustness against modification, insertion and deletion attack

