

Title (en)

SYSTEM AND METHOD FOR PROTECTING SENSITIVE DATA

Title (de)

SYSTEM UND VERFAHREN ZUM SCHUTZ HEIKLER DATEN IN EINER DATENBANK

Title (fr)

SYSTEME ET PROCEDE PERMETTANT DE PROTEGER DES DONNEES SENSIBLES DANS UNE BASE DE DONNEES

Publication

EP 1934713 A2 20080625 (EN)

Application

EP 06825127 A 20060926

Priority

- US 2006037477 W 20060926
- US 23606105 A 20050926
- US 23604605 A 20050926
- US 23629405 A 20050926

Abstract (en)

[origin: WO2007038509A2] A technique for protecting sensitive data involves using encryption in a database. A system or method according to the technique may include automatically selecting a new encryption key for re-encrypting data in a target database. New initialization vectors may be specified for re-encrypting each column of data selected for re-encryption. A new initialization vector may be specified for one or more rows of data of a database table in the target database that is selected for re-encryption. The system or method according to the technique may include providing a mechanism for automating the conversion of the relational database to a secure relational database with little or no impact on the resources of the relational database during the conversion. The system or method according to the technique may include allowing application programs that are external to the relational database to access the sensitive data in the database in a seamless fashion are described. The application programs are allowed to use existing query statements without having to modify such statements for accessing encrypted data in the relational database.

IPC 8 full level

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