

Title (en)

SYSTEMS AND METHODS FOR ENCRYPTING/DECRYPTING DATA USING A BROKER AGENT

Title (de)

VORRICHTUNGEN UND VERFAHREN ZUR VERSCHLÜSSELUNG/ENTSCHLÜSSELUNG UNTER VERWENDUNG EINES MAKLERS

Title (fr)

SYSTEMES ET PROCEDES PERMETTANT DE CRYPTER ET DECRYPTER DES DONNEES

Publication

**EP 1273125 A2 20030108 (EN)**

Application

**EP 01928518 A 20010412**

Priority

- US 0112157 W 20010412
- US 54944600 A 20000414

Abstract (en)

[origin: WO0178491A2] The present invention relates to systems and methods for providing secure symmetric and asymmetric encryption/decryption using an intermediate or broker agent. The present systems and methods provide a more advanced and sophisticated manner of preventing unauthorized users from accessing sensitive and private data that is transmitted via the Internet. The broker agent (i.e., a server) is used to encrypt and decrypt data and/or session key during the transmission of the data from the sender to the recipient. These encryption processes are more secure because the recipients do not have access to the sender's private and public keys. The first and second embodiment relate to symmetric encryption/decryption systems and methods, while the third and fourth embodiments relate to asymmetric encryption/decryption systems and methods.

IPC 1-7

**H04L 9/00**; **H04L 9/30**

IPC 8 full level

**H04L 9/00** (2006.01); **H04L 9/30** (2006.01); **H04L 29/06** (2006.01)

CPC (source: EP)

**H04L 9/083** (2013.01); **H04L 63/045** (2013.01); **H04L 63/0464** (2013.01)

Citation (search report)

See references of WO 0178491A2

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

**WO 0178491 A2 20011025**; **WO 0178491 A3 20020314**; AU 5536601 A 20011030; EP 1273125 A2 20030108

DOCDB simple family (application)

**US 0112157 W 20010412**; AU 5536601 A 20010412; EP 01928518 A 20010412