

Title (en)

BI-DIRECTIONAL, ANONYMOUS ELECTRONIC TRANSACTIONS

Title (de)

BIDIREKTIONALE, ANONYME, ELEKTRONISCHE TRANSACTIONEN

Title (fr)

TRANSACTIONS ELECTRONIQUES BIDIRECTIONNELLES ANONYMES

Publication

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Application

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Abstract (en)

[origin: WO0001108A2] A system and methods are provided provided for processing bi-directional, anonymous or pseudo-anonymous user transactions, including electronic mail and electronic commerce. A first digital certificate is used to authenticate a user when he or she connects to the system to conduct a transaction. A second digital certificate is created to authenticate the user's anonymous or pseudo-anonymous identity to third parties. The correspondence between the user's confidential identity (e.g., name, address, financial data) and true identity is unknown within the system during its normal operation. In normal operation a user connects to the system via a client module. The user's confidential identity is masked from a coordination module of the system, which coordination module coordinates tasks necessary to conduct the user's transaction or process the user's communication. A plurality of operating modules are provided to perform tasks such as billing, account management, sending or receiving electronic mail, conducting electronic commerce, etc. In normal operation, no module within the system possesses enough information to determine the user's confidential identity and connect the user to a particular transaction or a particular anonymous or pseudo-anonymous identity. In a monitor mode of operation, however, the content of transactions and communications processed for a particular anonymous or pseudo-anonymous user are recorded or logged pursuant to legal authorization or demand.

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IPC 8 full level

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