

Title (en)

METHOD AND APPARATUS FOR CONVEYING A PRIVATE MESSAGE TO SELECTED MEMBERS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ÜBERTRAGUNG EINER VERTRAULICHEN NACHRICHT AN AUSGEWÄHLTE TEILNEHMER

Title (fr)

PROCEDE ET APPAREIL D'ENVOI D'UN MESSAGE PRIVE A DES MEMBRES SELECTIONNES

Publication

EP 1050132 A4 20050518 (EN)

Application

EP 99908068 A 19990115

Priority

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Abstract (en)

[origin: WO9937052A1] An encrypted broadcast messaging system (102, 103) determines the management crypto-keys held by each selected subscriber (101) device and not held by each excluded subscriber device of a group. The private message is decomposed into message-parts, one message-part per an excluded subscriber device, each message-part intended to be encrypted using each management crypto-key held by the selected subscriber devices (101) and not held by the excluded subscriber device. Each message-part is encrypted using the management crypto-keys, and delivered to at least the selected subscriber devices, identifying the message-parts delivered and the message-parts necessary to re-compose the private message. Each received encrypted message-parts necessary to re-compose the private message. Each received encrypted message-part is decrypted using the intended management crypto-key, and the necessary message-parts are chosen from which the private message is re-composed by combining in the selected subscriber device (101).

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H04L 9/00

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Citation (search report)

- [XA] US 5016277 A 19910514 - HAMILTON SCOTT B [US]
- [A] US 4803725 A 19890207 - HORNE DONALD R [CA], et al
- [A] GB 2241414 A 19910828 - ENFRANCHISE SIXTY LTD [GB]
- See references of WO 9937052A1

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