

Title (en)

METHODS AND PROTOCOLS FOR INTRUSION-TOLERANT MANAGEMENT OF COLLABORATIVE NETWORK GROUPS

Title (de)

VERFAHREN UND PROTOKOLLE ZUR EINDRINGUNGSTOLERANTEN VERWALTUNG VON KOLLABORATIVEN NETZWERKGRUPPEN

Title (fr)

PROCEDES ET PROTOCOLES DE GESTION DE GROUPES DE COLLABORATION EN RESEAU AVEC TOLERANCE D'INTRUSION

Publication

EP 1238490 A4 20070718 (EN)

Application

EP 01932747 A 20010426

Priority

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- US 24748800 P 20001108
- US 24718400 P 20001109

Abstract (en)

[origin: WO0239658A1] Disclosed is a system for managing communications within a network collaboration group. The system comprises: a generator (110) for generating a new nonce value; an incorporator (120) for incorporating an expected nonce value and the new nonce value in a message to be transmitted; an encryptor (130) for encrypting the message; a transmitter (140) for transmitting the encrypted message from a sender node of the group to a recipient node of the group; and a verifier (150, 160, 170) for verifying, by the recipient node, that the encrypted message includes the expected nonce value.

IPC 8 full level

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Citation (search report)

- [X] EP 0915590 A2 19990512 - UNWIRED PLANET INC [US]
- [X] US 5369705 A 19941129 - BIRD RAYMOND F [US], et al
- [X] NEEDHAM R M ET AL: "Using encryption for authentication in large networks of computers", COMMUNICATIONS OF THE ASSOCIATION FOR COMPUTING MACHINERY, ACM, NEW YORK, NY, US, vol. 21, no. 12, December 1978 (1978-12-01), pages 993 - 999, XP002163714, ISSN: 0001-0782
- [A] MENEZES ET AL: "IDENTIFICATION AND ENTITY AUTHENTICATION", HANDBOOK OF APPLIED CRYPTOGRAPHY, CRC PRESS SERIES ON DISCRETE MATHEMATICS AND ITS APPLICATIONS, BOCA RATON, FL, CRC PRESS, US, 1997, pages 385 - 424, XP002906549, ISBN: 0-8493-8523-7
- See references of WO 0239658A1

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