

Title (en)
METHODS AND APPARATUS FOR CONTROLLING ACCESS TO INFORMATION

Title (de)
VERFAHREN UND VORRICHTUNG ZUR STEUERUNG DES ZUGRIFFS AUF INFORMATIONEN

Title (fr)
PROCEDES ET APPAREIL DE CONTROLE D'ACCES A DES INFORMATIONS

Publication
EP 0966822 A2 19991229 (EN)

Application
EP 98910236 A 19980309

Priority

- US 9804522 W 19980309
- US 3954297 P 19970310
- US 4026297 P 19970310
- US 3458798 A 19980304
- US 3450398 A 19980304
- US 3450798 A 19980304
- US 3457698 A 19980304

Abstract (en)
[origin: WO9840992A2] A scalable access filter that is used together with others like it in a virtual private network to control access by users at clients in the network to information resources provided by servers in the network. Each access filter uses a local copy of an access control data base to determine whether an access request is made by a user. Changes made by administrators in the local copies are propagated to all of the other local copies. Each user belongs to one or more user groups and each information resource belongs to one or more information sets. Access is permitted or denied according to access policies which define access in terms of the user groups and information sets. The rights of administrators are similarly determined by administrative policies. Access is further permitted only if the trust levels of a mode of identification of the user and of the path in the network by which the access is made are sufficient for the sensitivity level of the information resource. If necessary, the access filter automatically encrypts the request with an encryption method whose trust level is sufficient. The first access filter in the path performs the access check and encrypts and authenticates the request; the other access filters in the path do not repeat the access check.

IPC 1-7
H04L 29/06; **H04L 12/24**; **G06F 1/00**

IPC 8 full level
H04L 29/06 (2006.01); **H04L 12/24** (2006.01)

CPC (source: EP)
H04L 63/0218 (2013.01); **H04L 63/0227** (2013.01); **H04L 63/0263** (2013.01); **H04L 63/0272** (2013.01); **H04L 63/04** (2013.01); **H04L 63/101** (2013.01); **H04L 63/102** (2013.01); **H04L 63/20** (2013.01); **H04L 41/28** (2013.01)

Citation (search report)
See references of WO 9840992A2

Cited by
USRE46439E

Designated contracting state (EPC)
CH DE ES FR GB IT LI

DOCDB simple family (publication)
WO 9840992 A2 19980917; **WO 9840992 A3 19990415**; AU 6452798 A 19980929; AU 733109 B2 20010510; EP 0966822 A2 19991229

DOCDB simple family (application)
US 9804522 W 19980309; AU 6452798 A 19980309; EP 98910236 A 19980309