

Title (en)
AUTOMATIC CONFIGURATION OF CABLE MODEMS

Title (de)
AUTOMATISCHE KONFIGURATION VON KABELMODEMEN

Title (fr)
SYSTEMES, PROCEDES ET PRODUITS DE PROGRAMME INFORMATIQUE SERVANT A DIMENSIONNER AUTOMATIQUEMENT DES SERVICES DE MODEM CABLE AU MOYEN DE ZONES DE RESEAU VIRTUEL D'UN RESEAU DE TRANSMISSION DE DONNEES PAR CABLE

Publication
EP 1234409 A2 20020828 (EN)

Application
EP 00957346 A 20000809

Priority
• US 0021746 W 20000809
• US 39058499 A 19990903

Abstract (en)
[origin: WO0119080A2] Systems, methods, and computer program products that can be used to automatically provision a cable modem for service or update the existing service profile of an already provisioned modem. After an initialization sequence is executed between the cable modem and a cable modem termination system (CMTS) the cable modem is assigned to a provisioning zone that prevents the cable modem from accessing services via a services network. While the cable modem is in the provisioning zone, however, it is allowed to access a provisioning network that it can use to register customer information with a provisioning server. The provisioning server then configures one or more accounts for the customer on a subscriber server based on the particular services requested by the customer during registration. Finally, the cable modem is reassigned to a service zone in which the cable modem is allowed to communicate with both the provisioning network and the service network through the CMTS. Because customers can register for new services electronically through communication with a provisioning server, a customer service representative (CSR) need not be involved in the registration process. Moreover, by enforcing a provisioning zone and a service zone in the CMTS, unauthorized access to services can be reduced, even in systems in which there is no physical separation between the provisioning network and the services network.
[origin: WO0119080A2] After an initialization sequence is executed between the cable modem and a cable modem termination system (CMTS) the cable modem is assigned to a provisioning zone that prevents the cable modem from accessing services via a services network. While the cable modem is in the provisioning zone, however, it is allowed to access a provisioning network that it can use to register customer information with a provisioning server. The provisioning server then configures one or more accounts for the customer on a subscriber server based on the particular services requested by the customer during registration. Finally, the cable modem is reassigned to a service zone in which the cable modem is allowed to communicate with both the provisioning network and the service network through the CMTS.

IPC 1-7
H04L 12/28

IPC 8 full level
H04L 12/24 (2006.01); **H04L 12/28** (2006.01); **H04L 29/06** (2006.01); **H04L 29/08** (2006.01); **H04L 29/12** (2006.01)

CPC (source: EP)
H04L 12/2801 (2013.01); **H04L 12/2898** (2013.01); **H04L 41/0806** (2013.01); **H04L 61/5007** (2022.05); **H04L 61/5014** (2022.05); **H04L 61/5076** (2022.05); **H04L 67/306** (2013.01); **H04L 69/329** (2013.01)

Citation (search report)
See references of WO 0119080A2

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
WO 0119080 A2 20010315; **WO 0119080 A3 20010907**; AU 6898300 A 20010410; EP 1234409 A2 20020828

DOCDB simple family (application)
US 0021746 W 20000809; AU 6898300 A 20000809; EP 00957346 A 20000809