

Title (en)
METHOD AND APPARATUS FOR PROTOCOL CONVERSION

Title (de)
VERFAHREN UND VORRICHTUNG ZUR PROTOKOLUMSETZUNG

Title (fr)
PROCEDE ET DISPOSITIF DE COORDINATION ET DE FILTRAGE SOUS DES PROTOCOLES INTERACTIFS ET DES PROTOCOLES DE
RADIODIFFUSION DANS DES ENVIRONNEMENTS RESEAU LARGES BANDES

Publication
EP 1175764 A2 20020130 (EN)

Application
EP 00926151 A 20000419

Priority
• US 0010563 W 20000419
• US 13180799 P 19990430

Abstract (en)
[origin: WO0067444A2] A protocol agent (135, 160) for a broadband communication network accommodates data that is provided using different protocols. Data is received from protocol handlers (130, 165) at a client (115) or server (105). An identifier (565, 682) is attached (240, 315) to the data (570, 684), to identify the protocol thereof, whether encoding was applied and, if so, which type, and whether encryption/signing was applied and, if so, which type. The data with the attached identifier is communicated, e.g., from a client (115) to a server (105), or from a server (105) to a client (115). Available communication paths include one-way, e.g., broadcast or multicast (462, 465, 470), or dedicated upstream path (475), and two-way, e.g., an interactive path such as a computer network or telephone link (485) using TCP or UDP, or a cable television upstream path (480). At the receiving end, the protocol identifier (565, 682) is filtered (215, 340) to apply decryption/signature verification, and/or decoding, and to forward the data to an appropriate counterpart protocol handler (130, 165).

IPC 1-7
H04L 29/06

IPC 8 full level
H04L 29/06 (2006.01)

CPC (source: EP)
H04L 69/04 (2013.01)

Citation (search report)
See references of WO 0067444A2

Citation (examination)
STEVENS W.R.: "TCP/ILLUSTRATED - THE PROTOCOLS", vol. 1, 1994, ADDISON WESLEY, READING, US

Cited by
US7876777B2

Designated contracting state (EPC)
DE FR GB

DOCDB simple family (publication)
WO 0067444 A2 20001109; WO 0067444 A3 20010201; AU 4472600 A 20001117; CA 2371624 A1 20001109; EP 1175764 A2 20020130; TW 529259 B 20030421

DOCDB simple family (application)
US 0010563 W 20000419; AU 4472600 A 20000419; CA 2371624 A 20000419; EP 00926151 A 20000419; TW 89108012 A 20000427