Title (en)

PACKET ROUTING VIA PAYLOAD INSPECTION FOR ALERT SERVICES, FOR DIGITAL CONTENT DELIVERY AND FOR QUALITY OF SERVICE MANAGEMENT AND CACHING WITH SELECTIVE MULTICASTING IN A PUBLISH-SUBSCRIBE NETWORK

Title (de)

PAKET-ROUTING ÜBER NUTZSIGNALUNTERSUCHUNG FÜR WARNDIENSTE FÜR DIE ABLIEFERUNG VON DIGITALEM INHALT UND FÜR DIE VERWALTUNG DER DIENSTQUALITÄT UND CACHE-SPEICHERUNG MIT SELEKTIVEM MULTICASTING IN EINEM PUBLISH-SUBSCRIBE-NETZWERK

Title (fr)

ACHEMINEMENT DE PAQUETS FONDE SUR L'INSPECTION DE LA CHARGE UTILE ET SERVANT A OFFRIR DES SERVICES D'ALERTE, A DIFFUSER DES CONTENUS NUMERIQUES ET A GERER LA QUALITE DE SERVICE, ET MISE EN ANTEMEMOIRE AVEC DIFFUSION SELECTIVE DANS UN RESEAU DE PUBLICATION-ABONNEMENT

Publication

EP 1535157 A4 20100908 (EN)

Application

EP 03763348 A 20030708

Priority

- US 0321338 W 20030708
- US 39456102 P 20020708
- US 39464102 P 20020708
- US 39471402 P 20020708
- US 39463102 P 20020708

Abstract (en)

[origin: WO2004006486A2] Packet routing via payload inspection at routers in a core of a distributed network for use in providing alert services, in distributing digital content such as video, music, and software and according to quality of service guarantees. Packets include subjects and attributes in addition to routing information. The subjects correspond with particular types of content for subscriptions, and the attributes encapsulate the data or content. The subscriptions may be associated with particular quality of service guarantees or levels of service. The routers store filters corresponding with subscriptions to content. Upon receiving a packet, a router inspects the payload section of the packet containing the attributes in order to retrieve the attributes and apply them to the filters for the subscriptions to content from the cameras. If an attribute satisfies a filter, the packet is routed to the next link. If the attributes do not satisfy the filters, the router discards the packet. These routing decisions are distributed among routers in the network core. The router locally caches the data in the network core.

IPC 1-7

G06F 11/30; G06F 15/16; G06F 15/173

IPC 8 full level

G06F 11/30 (2006.01); **H04L 12/56** (2006.01); **H04L 12/761** (2013.01); **H04L 12/851** (2013.01); **H04L 29/06** (2006.01); **H04L 29/08** (2006.01); **H04L 45/16** (2022.01); **H04N 7/173** (2006.01); **H04N 21/61** (2011.01); H04L 12/18 (2006.01)

CPC (source: EP KR)

H04L 45/16 (2013.01 - EP); **H04L 45/52** (2013.01 - KR); **H04L 47/24** (2013.01 - EP); **H04L 67/568** (2022.05 - EP); **H04L 67/61** (2022.05 - EP); **H04L 67/63** (2022.05 - EP); H04L 12/185 (2013.01 - EP); H04L 12/1895 (2013.01 - EP); H04L 67/565 (2022.05 - EP); H04L 69/329 (2013.01 - EP)

Citation (search report)

- [X] US 5974417 A 19991026 - BRACHO RAFAEL [US], et al
- [A] WO 9723096 A1 19970626 - BELL COMMUNICATIONS RES [US]
- [A] GB 2354349 A 20010321 - IBM [US]
- [A] GB 2350758 A 20001206 - IBM [US]
- See references of WO 2004006486A2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

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DOCDB simple family (application)

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