

Title (en)  
END-TO-END SERVICE QUALITY FOR LATENCY-INTENSIVE INTERNET PROTOCOL (IP) APPLICATIONS IN A HETEROGENEOUS, MULTI-VENDOR ENVIRONMENT

Title (de)  
END-TO-END-QOS FÜR LATENZINTENSIVE INTERNETPROTOKOLL (IP)-ANWENDUNGEN IN EINER HETEROGENEN HERSTELLERNEUTRALEN UMGEBUNG

Title (fr)  
QUALITE DE SERVICE DE BOUT EN BOUT POUR DES APPLICATIONS IP A FORTE INTENSITE DE TEMPS D'ATTENTE DANS UN ENVIRONNEMENT MULTICONSTRUCTEUR HETEROGENE

Publication  
**EP 1563396 A2 20050817 (EN)**

Application  
**EP 03768594 A 20031103**

Priority  
• US 0335024 W 20031103  
• US 42318902 P 20021101

Abstract (en)  
[origin: WO2004042533A2] Apparatus and methods are provided for delivering end-to-end Quality of Service (QoS) over Internet Protocol (IP) networks. According to one embodiment, a portion of available bandwidth between a first and second network device is reserved as a Quality of Service (QoS) resource pool for real-time communication sessions among users of a first and second user community. The first network device is communicatively coupled with a packet network and associated with the first user community. The second network device is communicatively coupled with the packet network and associated with the second user community. End-to-End application QoS is provided between the first and second user communities by selectively admitting real-time communication sessions between the first user community and the second user community based upon currently available resources associated with the QoS resource pool and multiplexing the real-time communication sessions over a reservation protocol session between the first and second network devices.

IPC 1-7  
**G06F 15/16**; **H04L 12/56**

IPC 8 full level  
**G06F 15/16** (2006.01); **H04L 12/54** (2013.01); **H04L 47/2416** (2022.01); **H04L 47/31** (2022.01); **H04L 47/41** (2022.01); **H04L 47/724** (2022.01); **H04L 47/80** (2022.01)

CPC (source: EP)  
**H04L 47/18** (2013.01); **H04L 47/2416** (2013.01); **H04L 47/31** (2013.01); **H04L 47/41** (2013.01); **H04L 47/724** (2013.01); **H04L 47/801** (2013.01); **H04L 47/822** (2013.01); **H04L 47/825** (2013.01); **H04L 47/828** (2013.01); **H04L 47/83** (2022.05); **H04L 63/0428** (2013.01); **H04L 63/16** (2013.01); **H04L 65/1043** (2013.01); **H04L 65/1069** (2013.01); **H04L 65/1106** (2022.05); **H04L 65/65** (2022.05); **H04L 65/80** (2013.01); **Y02D 30/50** (2020.08)

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**WO 2004042533 A2 20040521**; **WO 2004042533 A3 20040708**; AU 2003291702 A1 20040607; AU 2003291702 A8 20040607; CA 2506954 A1 20040521; EP 1563396 A2 20050817; EP 1563396 A4 20060517

DOCDB simple family (application)  
**US 0335024 W 20031103**; AU 2003291702 A 20031103; CA 2506954 A 20031103; EP 03768594 A 20031103