

Title (en)

AN INTERNET PROTOCOL MULTIMEDIA SUBSYSTEM NETWORK ELEMENT AND METHOD OF OPERATION THEREFOR

Title (de)

INTERNET-PROTOKOLL-MULTIMEDIA-SUBSYSTEM-NETZWERKELEMENT UND BETRIEBSVERFAHREN DAFÜR

Title (fr)

ÉLÉMENT DE RÉSEAU DE SOUS-SYSTÈME MULTIMÉDIA À PROTOCOLE INTERNET ET PROCÉDÉ DE FONCTIONNEMENT

Publication

EP 2050226 A2 20090422 (EN)

Application

EP 07762260 A 20070521

Priority

- US 2007069338 W 20070521
- GB 0615026 A 20060727

Abstract (en)

[origin: GB2440381A] An Internet Protocol multimedia Subsystem, IMS, (109) comprises a network element (115), such as a Session Border Controller, which implements a Back to Back User Agent (B2BUA). The B2BUA is arranged to support a communication from a remote station (101) supported over a radio air interface. The remote station (101) implements a User Agent Client (UAC) (111) which can transmit Session Initiation Protocol (SIP) session negotiation requests intended for a User Agent Server (UAS) (113) of a called party (103) of the communication. The B2BUA receives the SIP session negotiation requests and evaluates a negotiation frequency criterion. Only the SIP session negotiation requests for which the negotiation frequency criterion is met are forwarded to the UAS 113), all other requests are filtered. The invention allows a substantial reduction in signalling overhead through the network, e.g. originating from frequent requests for a change of voice codecs of a Voice over Internet Protocol (VoIP) communication due to changes in the radio propagation environment for the remote station (101).

IPC 8 full level

H04L 12/28 (2006.01); **H04L 12/64** (2006.01); **H04L 29/06** (2006.01); **H04W 84/00** (2009.01)

CPC (source: EP GB)

H04L 12/6418 (2013.01 - EP); **H04L 65/1045** (2022.05 - EP); **H04L 65/1104** (2022.05 - EP GB); **H04L 65/1016** (2013.01 - EP); **H04L 65/1083** (2013.01 - EP GB); **H04L 65/80** (2013.01 - EP)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

GB 0615026 D0 20060906; **GB 2440381 A 20080130**; **GB 2440381 B 20081105**; CN 101496352 A 20090729; CN 101496352 B 20120725; EP 2050226 A2 20090422; EP 2050226 A4 20141231; WO 2008014045 A2 20080131; WO 2008014045 A3 20080731

DOCDB simple family (application)

GB 0615026 A 20060727; CN 200780028688 A 20070521; EP 07762260 A 20070521; US 2007069338 W 20070521