

Title (en)
METHOD FOR THE QUALITATIVE ROUTING IN A MULTI-HOP COMMUNICATION NETWORK, AND NETWORK NODE MANAGEMENT FACILITY

Title (de)
VERFAHREN FÜR QUALITATIVES ROUTING IN EINEM MULTI-HOP-KOMMUNIKATIONSNETZ UND EINRICHTUNG ZUR VERWALTUNG VON NETZWERKKNOTEN

Title (fr)
PROCEDE DE ROUTAGE QUALITATIF DANS UN RESEAU DE COMMUNICATION MULTI SAUTS, EQUIPEMENT DE GESTION DE NOEUD DE RESEAU

Publication
EP 2510656 A1 20121017 (FR)

Application
EP 10801651 A 20101210

Priority
• FR 0958890 A 20091211
• FR 2010052669 W 20101210

Abstract (en)
[origin: WO2011070304A1] The invention relates to a method for the qualitative routing of data in an ad hoc multi-hop communication network, said method making it possible to determine, on the basis of a determinable communication quality criterion, at least one path for the passage of the data through links between nodes, the links being capable of mutually interfering during the passage of the data. According to the invention, in order to determine the path, the intra-flow interference is taken into account, and a step of determining overall network topology and a step of determining the interfering links are implemented, the latter step being implemented by determining a conflict graph. The path is obtained by means of resolving a linear system having completeness constraints.

IPC 8 full level
H04L 12/56 (2006.01); **H04W 40/12** (2009.01)

CPC (source: EP US)
H04L 45/00 (2013.01 - EP US); **H04W 40/16** (2013.01 - EP US); **H04L 45/125** (2013.01 - EP US)

Citation (search report)
See references of WO 2011070304A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2011070304 A1 20110616; EP 2510656 A1 20121017; FR 2954028 A1 20110617; FR 2954028 B1 20120120; JP 2013513987 A 20130422; US 2012257545 A1 20121011

DOCDB simple family (application)
FR 2010052669 W 20101210; EP 10801651 A 20101210; FR 0958890 A 20091211; JP 2012542607 A 20101210; US 201013515078 A 20101210