Title (en)

IMPROVED MONITORING AND SIMULATING OF COMPLEX SYSTEMS, IN PARTICULAR OF FLOW AND CONGESTION MECHANISMS AND CONTROLS IN COMMUNICATION NETWORKS

Title (de)

VERBESSERTE ÜBERWACHUNG UND SIMULATION VON KOMPLEXEN SYSTEMEN, INSBESONDERE VON MECHANISMEN UND STEUERUNGEN VON STRÖMEN UND ÜBERLASTUNGEN IN EINEM KOMMUNIKATIONSNETZ

Title (fr)

SURVEILLANCE ET SIMULATION PERFECTIONNEES DE SYSTEMES COMPLEXES, NOTAMMENT DE MECANISMES ET DE CONTROLES DE FLUX ET DE CONGESTIONS DANS DES RESEAUX DE COMMUNICATIONS

Publication

EP 1264439 A1 20021211 (FR)

Application

EP 01909920 A 20010228

Priority

- FR 0100579 W 20010228
- FR 0002656 A 20000301

Abstract (en)

[origin: FR2805945A1] The device comprises a memory (ROM, RAM) for storing network parameters and data, in matrix form, representing dynamically variable structure. A computing unit (CAL), a modeling unit (MOD) and a drive unit (PIL) within the ROM memory perform interactive multiplication in max-plus algebra of a current matrix of network data and an instantaneous matrix of the network parameters. Independent claims for a monitoring method and for a simulation method are also included.

IPC 1-7

H04L 12/24; H04L 12/26

IPC 8 full level

H04L 12/24 (2006.01); **H04L 12/26** (2006.01); **H04L 12/801** (2013.01); **H04L 12/825** (2013.01); **H04L 12/841** (2013.01); **H04Q 3/00** (2006.01)

CPC (source: EP US)

H04L 41/12 (2013.01 - US); **H04L 41/145** (2013.01 - EP US); **H04L 43/00** (2013.01 - EP US); **H04L 47/10** (2013.01 - EP US); **H04L 47/11** (2013.01 - EP US); **H04L 47/193** (2013.01 - EP US); **H04L 47/26** (2013.01 - EP US); **H04L 47/283** (2013.01 - EP US); **H04Q 3/0083** (2013.01 - EP US); H04L 43/0829 (2013.01 - EP US); H04L 43/0852 (2013.01 - EP US); H04L 43/0864 (2013.01 - EP US); H04L 43/16 (2013.01 - EP US)

Citation (search report)

See references of WO 0165772A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

FR 2805945 A1 20010907; **FR 2805945 B1 20020503**; CA 2401312 A1 20010907; EP 1264439 A1 20021211; JP 2003526262 A 20030902; US 2003161266 A1 20030828; WO 0165772 A1 20010907

DOCDB simple family (application)

FR 0002656 A 20000301; CA 2401312 A 20010228; EP 01909920 A 20010228; FR 0100579 W 20010228; JP 2001564530 A 20010228; US 22001403 A 20030311