Title (en)
INCREASING THE REAL-TIME CAPABILITY OF ETHERNET NETWORKS

Title (de)
ERHÖHUNG DER ECHTZEITFÄHIGKEIT VON ETHERNETNETZWERKEN

Title (fr)
AMÉLIORATION DES CAPACITÉS TEMPS RÉEL DE RÉSEAUX ETHERNET

Publication
EP 2526654 A1 20121128 (DE)

Application
EP 10799056 A 20101229

Priority
- DE 102010000995 A 20100119
- EP 2010070839 W 20101229

Abstract (en)
[origin: WO2011088956A1] The invention relates to a method for transmitting at least one Ethernet packet between a transmitter and a receiver, to a device for carrying out a method according to the invention and to a network apparatus having such a device. In order to achieve a high degree of real-time capability and deterministics when using IEEE 802.3-compliant network components, according to the invention each Ethernet packet is segmented at the transmitter into a number of Ethernet packets, referred to as Ethernet cells, and is reassembled again at the receiver. By segmenting the Ethernet packets into Ethernet cells - naturally having a length clearly smaller than the maximum packet size - high-priority real-time packets are delayed for a significantly shorter time than long, unsegmented Ethernet packets.

IPC 8 full level
H04L 12/40 (2006.01)

CPC (source: EP)
H04L 12/4645 (2013.01); **H04L 69/324** (2013.01)

Citation (search report)
See references of WO 2011088956A1

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)
DE 102010000995 B3 20110616; CN 102714612 A 20121003; EP 2526654 A1 20121128; RU 2012135470 A 20140227;
WO 2011088956 A1 20110728

DOCDB simple family (application)
DE 102010000995 A 20100119; CN 201080061909 A 20101229; EP 10799056 A 20101229; EP 2010070839 W 20101229;
RU 2012135470 A 20101229