

Title (en)
METHOD FOR OPERATING A NETWORK

Title (de)
VERFAHREN ZUM BETREIBEN EINES NETZWERKS

Title (fr)
PROCÉDÉ POUR FAIRE FONCTIONNER UN RÉSEAU

Publication
EP 4211873 A1 20230719 (DE)

Application
EP 21770212 A 20210902

Priority
• DE 102020123275 A 20200907
• EP 2021074225 W 20210902

Abstract (en)
[origin: WO2022049175A1] The invention relates to a method for operating a network with multiple participants in the network. The network contains at least one switch (10, 11, 12), at least two terminals, and at least one controller. According to the invention, the controller can now communicate with one of the terminals via an application protocol. For this purpose, data is transmitted and/or received in the form of data packets. In order to allow the communication to be planned in a timely manner, time slots are provided for transmitting the data packets, said time slots being adapted to the maximally possible packet size. For this purpose, the time slots have a time beginning and a time end which can overlap in different branches of the network. In order to optimize the communication time, the packet sizes (5) can be modified, and in order to not waste any bandwidth in the network, the time slots are adapted (6) to the packet size in a corresponding manner by changing the time beginnings and the time ends.

IPC 8 full level
H04L 12/40 (2006.01); **H04L 12/46** (2006.01)

CPC (source: EP US)
H04L 12/40 (2013.01 - EP US); **H04L 12/4641** (2013.01 - EP US); **H04L 12/4645** (2013.01 - US); **H04L 47/365** (2013.01 - US);
H04L 49/254 (2013.01 - US); **H04L 2012/4026** (2013.01 - EP US)

Citation (search report)
See references of WO 2022049175A1

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

Designated extension state (EPC)
BA ME

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
DE 102021122685 A1 20220310; CN 116018785 A 20230425; CN 116018786 A 20230425; CN 116057897 A 20230502;
DE 102021122684 A1 20220310; DE 102021122686 A1 20220310; EP 4211871 A1 20230719; EP 4211872 A1 20230719;
EP 4211873 A1 20230719; US 2023291695 A1 20230914; US 2023336380 A1 20231019; US 2023362033 A1 20231109;
WO 2022049173 A1 20220310; WO 2022049174 A1 20220310; WO 2022049175 A1 20220310

DOCDB simple family (application)
DE 102021122685 A 20210902; CN 202180054750 A 20210902; CN 202180054805 A 20210902; CN 202180054973 A 20210902;
DE 102021122684 A 20210902; DE 102021122686 A 20210902; EP 2021074223 W 20210902; EP 2021074224 W 20210902;
EP 2021074225 W 20210902; EP 21770210 A 20210902; EP 21770211 A 20210902; EP 21770212 A 20210902; US 202118019887 A 20210902;
US 202118019915 A 20210902; US 202118019927 A 20210902