

Title (en)

SUBSCRIBER STATION FOR A SERIAL BUS SYSTEM, AND METHOD FOR COMMUNICATION IN A SERIAL BUS SYSTEM

Title (de)

TEILNEHMERSTATION FÜR EIN SERIELLES BUSSYSTEM UND VERFAHREN ZUR KOMMUNIKATION IN EINEM SERIELLEN BUSSYSTEM

Title (fr)

STATION ABONNÉE POUR UN SYSTÈME DE BUS SÉRIE ET PROCÉDÉ DE COMMUNICATION DANS UN SYSTÈME DE BUS SÉRIE

Publication

EP 4154476 A1 20230329 (DE)

Application

EP 21720741 A 20210421

Priority

- DE 102020206412 A 20200522
- EP 2021060372 W 20210421

Abstract (en)

[origin: WO2021233634A1] The invention relates to a subscriber station (10; 20; 30) for a serial bus system (1) and to a method for communication in a serial bus system (1). The subscriber station (10; 20; 30) has: a communication control device (11; 21; 31) for controlling a communication of the subscriber station (10; 20; 30) with at least one other subscriber station (10; 20; 30) of the bus system (1), and for generating a transmission signal (TxD; TxD1; TxD2; TxD3; TxD4) according to a frame (450); a transmitting/receiving device (12; 22; 32) which is designed to serially transmit the transmission signal (TxD; TxD1; TxD2; TxD3; TxD4) generated by the communication control device (11; 21; 31) to a bus (40) of the bus system (1), and which is designed to serially receive signals from the bus (40); and a marking module (15; 25; 35) for evaluating whether a frame (450) received by the bus (40) may or may not occur on the bus (40), and for marking a frame (450) with a marking (48; 480) such that the transmitting/receiving device (12; 22; 32) transmits the marking (48; 480) to the bus (40) in order to communicate the result of the evaluation to the at least one other subscriber station (10; 20; 30) of the bus system (1).

IPC 8 full level

H04L 12/40 (2006.01)

CPC (source: EP US)

H04L 12/40032 (2013.01 - EP US); **H04L 63/10** (2013.01 - EP); **H04L 2012/40215** (2013.01 - EP US); **H04L 2012/40273** (2013.01 - EP)

Citation (search report)

See references of WO 2021233634A1

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 102020206412 A1 20211125; CN 115552848 A 20221230; EP 4154476 A1 20230329; US 2023148180 A1 20230511; WO 2021233634 A1 20211125

DOCDB simple family (application)

DE 102020206412 A 20200522; CN 202180036636 A 20210421; EP 2021060372 W 20210421; EP 21720741 A 20210421; US 202117912198 A 20210421