Title (en)

DEVICE AND METHOD FOR SELECTIVELY HIDING BUS OSCILLATIONS DURING DATA RECEPTION VIA A BUS SYSTEM

Title (de)

EINRICHTUNG UND VERFAHREN ZUM SELEKTIVEN AUSBLENDEN VON BUSSCHWINGUNGEN BEIM DATENEMPFANG ÜBER EIN BUSSYSTEM

Title (fr)

DISPOSITIF ET PROCÉDÉ DE SUPPRESSION SÉLECTIVE D'OSCILLATIONS DE BUS LORS DE LA RÉCEPTION DE DONNÉES PAR LE BIAIS D'UN SYSTÈME DE BUS

Publication

EP 3375149 A1 20180919 (DE)

Application

EP 16791400 A 20161107

Priority

- DE 102015222334 A 20151112
- EP 2016076778 W 20161107

Abstract (en)

[origin: WO2017080938A1] A device (144) and a method for selectively hiding bus oscillations during data reception via a bus system (1; 2) are provided. The device (144) comprises a monitoring element (1441) for monitoring a difference in the bus signal (CAN_H, CAN_L) on a bus line (60) of the bus system (1; 2), and a masking element (1442) for masking oscillations of the bus signal (CAN_H, CAN_L) for a predetermined masking time (tmask) when the monitoring result of the monitoring element (1441) reveals that oscillations in the bus signal (CAN_H, CAN_L) exceed at least one predetermined threshold value (RTH1, RTH2, RTH3) after the bus signal (CAN_H, CAN_L) has transitioned from a dominant to a recessive state (96, 95).

IPC 8 full level

H04L 12/40 (2006.01); **H04L 25/02** (2006.01); **H04L 25/03** (2006.01)

CPC (source: EP KR US)

G06F 13/4004 (2013.01 - EP US); **H04L 12/40032** (2013.01 - EP KR US); **H04L 25/0272** (2013.01 - EP US); **H04L 25/0278** (2013.01 - EP KR US); **H04L 25/03834** (2013.01 - KR US); H04L 2012/40215 (2013.01 - EP KR US); H04L 2012/40273 (2013.01 - EP KR US)

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

DOCDB simple family (publication)

DE 102015222334 A1 20170518; CN 108353012 A 20180731; CN 108353012 B 20210105; EP 3375149 A1 20180919; JP 2019503102 A 20190131; JP 6788670 B2 20201125; KR 102681598 B1 20240705; KR 20180081565 A 20180716; US 10454705 B2 20191022; US 2018324000 A1 20181108; WO 2017080938 A1 20170518

DOCDB simple family (application)

DE 102015222334 A 20151112; CN 201680066048 A 20161107; EP 16791400 A 20161107; EP 2016076778 W 20161107; JP 2018524384 A 20161107; KR 20187016135 A 20161107; US 201615772170 A 20161107