

Title (en)
USER INTERFACE WHICH IS BETWEEN A MICROCONTROLLER AND A FLEXRAY-COMMUNICATION COMPONENT, FLEXRAY-USER AND METHOD FOR TRANSMITTING MESSAGES VIA SAID TYPE OF INTERFACE

Title (de)
TEILNEHMERSCHNITTSTELLE ZWISCHEN EINEM MIKROCONTROLLER UND EINEM FLEXRAY-KOMMUNIKATIONSBAUSTEIN, FLEXRAY-TEILNEHMER UND VERFAHREN ZUR ÜBERTRAGUNG VON BOTSCHAFTEN ÜBER EINE SOLCHE SCHNITTSTELLE

Title (fr)
INTERFACE DE NOEUD DE RESEAU ENTRE UN MICROCONTROLEUR ET UN MODULE DE COMMUNICATION FLEXRAY, NOEUD DE RESEAU FLEXRAY ET PROCEDE DE TRANSMISSION D'AMBASSADES PAR L'INTERMEDIAIRE D'UNE TELLE INTERFACE

Publication
EP 1941377 A2 20080709 (DE)

Application
EP 06807000 A 20061005

Priority
• EP 2006067085 W 20061005
• DE 102005048582 A 20051006

Abstract (en)
[origin: WO2007039634A2] The invention relates to a user interface (107) which is between a flexray-communication component (100), which is connected to a flexray-communication connection (101), via which messages are transmitted, and which comprises a message store (300) for intermediately storing messages from the flexray-communication connection (101) or for the flexray-communication connection (101), and a microcontroller (102) which is associated with the flexray-communication component (100) and which comprises a microprocessor (811) and a direct-memory-access (DMA) controller (812) for exchanging data with the message store (300). In order to improve the connection of the DMA-controller (812) of the microcontroller (102) to the flexray-communication component (100), the user interface (107) comprises a state machine (800) which automatically co-ordinates and controls data transfer between the message store (300) of the flexray communication component (100) and the DMA controller (812) according to the configuration by the microprocessor (811) of the microcontroller (102).

IPC 8 full level
G06F 13/28 (2006.01)

CPC (source: EP US)
G06F 13/28 (2013.01 - EP US); **G06F 13/385** (2013.01 - EP US); **H04L 2012/40241** (2013.01 - EP US)

Citation (search report)
See references of WO 2007039634A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)
DE 102005048582 A1 20070412; CN 101283338 A 20081008; EP 1941377 A2 20080709; JP 2009511318 A 20090319; US 2010161834 A1 20100624; WO 2007039634 A2 20070412; WO 2007039634 A3 20070628

DOCDB simple family (application)
DE 102005048582 A 20051006; CN 200680037182 A 20061005; EP 06807000 A 20061005; EP 2006067085 W 20061005; JP 2008534018 A 20061005; US 8327206 A 20061005