Title (en)
SYNCHRONIZING OF DATA PACKAGES IN A DATA COMMUNICATION SYSTEM OF A VEHICLE

Title (de)
SYNCHRONISIEREN VON DATENPAKETEN IN EINEM DATENKOMMUNIKATIONSSYSTEM EINES FAHRZEUGS

Title (fr)
SYNCHRONISATION DE PAQUETS DE DONNÉES DANS UN SYSTÈME DE TRANSMISSION DE DONNÉES D'UN VÉHICULE

Publication
EP 2932663 A1 20151021 (DE)

Application
EP 13779200 A 20131016

Priority
• DE 102012223308 A 20121214
• EP 2013071585 W 20131016

Abstract (en)
[origin: WO2014090448A1] The invention relates to a method for synchronizing data packages from a free-run data communication network (14) with a clocked data communication network (12) comprising the following steps: receiving clocked data packages (72) from the clocked data communication network in a gateway (28) to time intervals (70) of the clocked data communication network (12); packing data from the clocked data packages (72) into first free-run data packages (74) for the free-run data communication network (14) in the gateway (28); providing each of the free-run data packages (74) with one time stamp, from which time stamp one time interval of a clocked data package (72) is reconstructible, the data of which time interval were packaged into a respective first unclocked data package (74); sending the first unclocked data packages (74) via the unclocked data communication network (14) to a receiver node (24) of the unclocked data communication network (14); reading the time stamp from the first unclocked data packages (74) and reconstructing the time interval (80) of the clocked data communication network (12) from the time stamps, a sending frequency, a number of the clocked data packages and/or a local interval in the receiver node (24); and sending two free-run data packages in a time interval (84) that is synchronous with the reconstructed time interval (84).

IPC 8 full level
H04L 12/40 (2006.01)

CPC (source: EP)
H04L 12/40091 (2013.01)

Citation (search report)
See references of WO 2014090448A1

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 102012223308 A1 20140618; EP 2932663 A1 20151021; WO 2014090448 A1 20140619

DOCDB simple family (application)
DE 102012223308 A 20121214; EP 13779200 A 20131016; EP 2013071585 W 20131016