

Title (en)

METHOD FOR SCHEDULING SOFTWARE TASKS ON AT LEAST ONE HETEROGENEOUS PROCESSING SYSTEM USING A BACKEND COMPUTER SYSTEM, WHEREIN EACH PROCESSING SYSTEM IS SITUATED IN A RESPECTIVE VEHICLE OF A VEHICLE FLEET, AND CONTROL FRAMEWORK FOR AT LEAST ONE VEHICLE

Title (de)

VERFAHREN ZUR SOFTWARE-TASK-PLANUNG AUF ZUMINDEST EINEM HETEROGENEN RECHNERSYSTEM

Title (fr)

PROCÉDÉ DE PLANIFICATION DE TÂCHES LOGICIELLES SUR AU MOINS UN SYSTÈME DE TRAITEMENT HÉTÉROGÈNE À L'AIDE D'UN SYSTÈME INFORMATIQUE DORSAL, CHAQUE SYSTÈME DE TRAITEMENT ÉTANT SITUÉ DANS UN VÉHICULE RESPECTIF D'UNE FLOTTE DE VÉHICULES ET STRUCTURE DE COMMANDE POUR AU MOINS UN VÉHICULE

Publication

EP 4298513 A1 20240103 (EN)

Application

EP 21719102 A 20210413

Priority

EP 2021059568 W 20210413

Abstract (en)

[origin: WO2022218510A1] The invention is concerned with a method for scheduling software tasks (21) on at least one processing system (14) of a given system type, wherein each processing system (14) is situated in a respective vehicle (11) and the tasks (21) are executed in different driving situations (33). The invention comprises that a scheduling plan (25) is provided to the at least one processing system (14) for executing a respective instance of the tasks (21) in the respective processing system (14) and from the at least one processing system (14) respective analysis data (30) are received and the scheduler (23) generates an update of the scheduling plan (25) by applying at least one mitigation measure, wherein the respective mitigation measure is applied if at least one performance attribute (32) is improved according to a predefined optimization criterion as compared to the received analysis data (30).

IPC 8 full level

G06F 9/48 (2006.01)

CPC (source: EP)

G06F 9/4881 (2013.01)

Citation (search report)

See references of WO 2022218510A1

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)

WO 2022218510 A1 20221020; EP 4298513 A1 20240103

DOCDB simple family (application)

EP 2021059568 W 20210413; EP 21719102 A 20210413