

Title (en)

METHOD FOR CONFIGURING A CO-SIMULATION FOR A TOTAL SYSTEM

Title (de)

VERFAHREN ZUM KONFIGURIEREN EINER CO-SIMULATION FÜR EIN GESAMTSYSTEM

Title (fr)

PROCÉDÉ DE CONFIGURATION D'UNE COSIMULATION POUR UN SYSTÈME COMPLET

Publication

**EP 3398092 A1 20181107 (DE)**

Application

**EP 16819948 A 20161229**

Priority

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- EP 2016082809 W 20161229

Abstract (en)

[origin: WO2017114883A1] The invention relates to a method for configuring a co-simulation for a total system (or a total simulation), comprising at least one first sub-system and a second sub-system. According to the method, a connection network is determined which links and assigns the first sub-system and the second sub-system to a link. Furthermore, first sub-system information of the first sub-system and second sub-system information of the second sub-system is determined. An execution sequence is additionally selected that is used to determine in which sequence the first parameter output and the second parameter output are determined relative to each other, and extrapolation methods are determined, by means of which the first and second parameter inputs can be determined during a macro increment (for example between the linking times). The macro increment is determined, said increment specifying the linking times at which the corresponding first and second input parameters and the first and second output parameters are exchanged between the first and second sub-systems. The linking of the first and second sub-system is configured on the basis of the connection network, the first sub-system information, the second sub-system information, the execution sequence, the extrapolation methods, and the macro increment, and the co-simulation is carried out.

IPC 8 full level

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