

Title (en)

METHOD AND DEVICE FOR MODELLING A MECHATRONIC SYSTEM IN A MOTOR VEHICLE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR MODELLIERUNG EINES MECHATRONISCHEN SYSTEMS IN EINEM KRAFTFAHRZEUG

Title (fr)

PROCEDE ET DISPOSITIF DE MODELISATION D'UN SYSTEME MECATRONIQUE DANS UN VEHICULE A MOTEUR

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Application

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Abstract (en)

[origin: WO0172552A2] This invention concerns a method and device to design a domain model for control systems in vehicles with respect of the functional requirements. It illustrates a model of the object-based structuring concept CARTRONIC3 transferred into the Unified Modelling Language (UML). The elements of the structuring concept (components and communications) are introduced together with the most essential structuring rules. Rules for mapping these elements to UML were presented, which permit the modelling of the function structure in UML. In addition to this structural description also behavioural aspects were discussed. The structural and behavioural description of the domain model in UML is explained by means of an example.

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