

Title (en)
DEVICE, SYSTEM, AND METHOD FOR THE EFFICIENT AND LOW-DELAY SYNCHRONIZATION OF DATA STRUCTURES IN THE FORM OF GRAPHS

Title (de)
VORRICHTUNG, SYSTEM UND VERFAHREN ZUR EFFIZIENTEN UND VERZÖGERUNGSARMEN SYNCHRONISATION GRAPHENFÖRMIGER DATENSTRUKTUREN

Title (fr)
DISPOSITIF, SYSTÈME ET PROCÉDÉ DE SYNCHRONISATION EFFICIENTE ET PEU RETARDÉE DE STRUCTURES DE DONNÉES DE FORME GRAPHIQUE

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Application
EP 14811795 A 20141202

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Abstract (en)
[origin: WO2015082479A1] The invention relates to a device. The device comprises a data model (110), wherein the data model (110) comprises three or more nodes, wherein an ID is assigned to one or more of the three or more nodes of the data model (110), wherein each of said one or more nodes can be clearly distinguished from the other nodes of the data model (110) by means of the ID of said node, wherein at least two of the nodes of the data model (110) each have one or more attributes, wherein each of said attributes can assume a value, which is stored in the data model (110), wherein a path specification is assigned to each node of said at least two nodes, wherein the path specification comprises the particular node to which said path specification is assigned and at least one further node of the three or more nodes of the data model (110), and wherein the path specification of each node of said at least two nodes differs from the ID of the particular node. Furthermore, the device comprises a controller, which comprises a writing function for each attribute of each of the three or more nodes of the data model (110) that has attributes, wherein the value of the attribute can be changed by means of the writing function. Furthermore, the device comprises a synchronizer (130). The synchronizer (130) is designed to receive an update notice, which indicates one of the nodes of the data model (110), wherein the update notice also indicates an attribute of said node, and wherein the update notice indicates how the value of said attribute is to be updated, wherein the update notice indicates the node by means of the ID of the node. The controller (120) is designed to update the value of said attribute of said node in dependence on the update notice by means of the writing function of said attribute.

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See references of WO 2015082479A1

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