Title (en)

METHOD, COMPUTER PROGRAM PRODUCT AND COMPUTER-READABLE STORAGE MEDIUM FOR THE GENERIC CREATION OF A TREE STRUCTURE FOR DESCRIBING AN IT METHOD

Title (de)

VERFAHREN, COMPUTERPROGRAM-PRODUKT SOWIE COMPUTERLESBARES SPEICHERMEDIUM ZUR GENERISCHEN ERSTELLUNG EINES STRUKTURBAUMS ZUR BESCHREIBUNG EINES IT-VERFAHRENS

Title (fr)

PROCÉDÉ, PRODUIT PROGRAMME INFORMATIQUE ET SUPPORT D'ENREGISTREMENT LISIBLE PAR ORDINATEUR POUR PRODUIRE DE MANIÈRE GÉNÉRIQUE UNE STRUCTURE ARBORESCENTE SERVANT À DÉCRIRE UN PROCÉDÉ INFORMATIQUE

Publication

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Application

EP 11702941 A 20110203

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Abstract (en)

[origin: WO2011098231A2] The invention relates to a method, to a computer program product and to a computer-readable storage medium for the generic creation of a tree structure for describing an IT method, comprising a complete environment composed of clients, servers, middleware components, applications and network components which an end user requires for carrying out a specific IT-supported business process. The invention is based on the generic creation of a tree structure for describing the topology of an IT method, by which tree structure it is possible to collect and manage all the data necessary for the overall handling of an IT method in a defined structure, such that all the procedures relevant for managing an IT method come from one data source and can be automated. The freedom from loops and the unambiguity of the elements result in a structuring of the data contained in the IT method, whereby automated processing is facilitated. A meta element type in the meta model is assigned to each of the elements used in the tree structure. The meta model describes which element types are allowed. The element types comprise all common generic IT components, such as server, middleware, storage, and the like. It is also established which attributes relating to the element types are allowed and/or necessary and which relations with the associated attributes are allowed between the elements. The freedom from loops is achieved by the use of an acyclically directed graph as the metastructure.

IPC 8 full level

G06Q 10/00 (2012.01); **G06Q 10/06** (2012.01)

CPC (source: EP US)

G06Q 10/06 (2013.01 - EP US)

Citation (search report)

See references of WO 2011098231A2

Citation (examination)

• US 2007220509 A1 20070920 - SHWARTZ LARISA [US], et al
• US 2007169109 A1 20070719 - NESWAL PETER [AT]
• US 2007169109 A1 20070719 - NESWAL PETER [AT]
• US 2005102665 A1 20050512 - BARTA ATTILA [CA], et al

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DOCDB simple family (application)

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