

Title (en)  
METHOD FOR GENERATING A FILE FOR MODELING ELECTRICAL EQUIPMENT, AND RELATED COMPUTER PROGRAM MATERIAL,  
MODELING FILE, AND ELECTRONIC DISPLAYING DEVICE

Title (de)  
VERFAHREN ZUR GENERIERUNG EINER DATEI ZUR MODELLIERUNG EINER ELEKTRISCHEN VORRICHTUNG UND ZUGEHÖRIGES  
COMPUTERPROGRAMMMATERIAL, MODELLIERUNGSDATEI UND ELEKTRONISCHE ANZEIGEVORRICHTUNG

Title (fr)  
PROCÉDÉ DE GÉNÉRATION D'UN FICHIER DE MODÉLISATION D'UNE INSTALLATION ÉLECTRIQUE, PRODUIT PROGRAMME  
D'ORDINATEUR, FICHIER DE MODÉLISATION ET DISPOSITIF ÉLECTRONIQUE D'AFFICHAGE ASSOCIÉS

Publication  
**EP 2956875 A1 20151223 (FR)**

Application  
**EP 14706799 A 20140214**

Priority  
• FR 1351338 A 20130215  
• EP 2014052880 W 20140214

Abstract (en)  
[origin: WO2014125058A1] The invention relates to a computer-implemented generation method, which is capable of generating a computer file for modeling electrical equipment on the basis of a wiring diagram (24) of said equipment. The electrical equipment comprises: a distribution panel comprising electrical apparatuses (14) connected between a source (15) and at least one electrical load (16A, 16B), and electrical connections (18) between the apparatuses, the wiring diagram (24) being shaped like a graph oriented in the direction of flow of an electrical current (11, 12, 13) from the source to the load(s). Said generation method includes the following steps: determining, for each device (14), a parent apparatus and one or more child apparatuses by tracking the diagram (24) from the source to the loads, the parent apparatus being directly connected to the apparatus and located upstream from said apparatus in the direction of the current, and the child device(s) being directly connected to the apparatus and located downstream from said apparatus in the direction of the current; determining, for each connection (18), a parent element and a child element, by tracking the diagram (24) from the source to the loads, the parent element being an apparatus or an electrical node (56) arranged upstream from the connection in the direction of the current and having said connection connected thereto, and the child element being an apparatus or an electrical node arranged downstream from the connection in the direction of the current and having said connection connected thereto; and creating the modeling file comprising a first identifier of the parent apparatus of each apparatus (14), a second identifier of the child device(s) of each device, a third identifier of the parent element of each connection (18), and a fourth identifier of the child element of each connection.

IPC 8 full level  
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Citation (search report)  
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