Title (en)

METHOD AND SYSTEM FOR DISPLAYING AND CONFIGURING COMPONENT- AND PROCESS STRUCTURES

Title (de)

VERFAHREN UND SYSTEM ZUR ANZEIGE UND KONFIGURATION VON BAUELEMENT- UND PROZESSSTRUKTUREN

Title (fr)

PROCEDE ET DISPOSITIF D'AFFICHAGE ET DE CONFIGURATION DE STRUCTURES DE COMPOSANTS ET DE PROCESSUS

Publication

EP 1105822 A1 20010613 (DE)

Application

EP 99947267 A 19990819

Priority

- EP 9906087 W 19990819
- US 13814798 A 19980821

Abstract (en)

[origin: WO0011579A1] The invention relates to a computer-aided system which is capable of displaying component and process structures for configurable product classes, said product classes being stored in a data structure. Product classes in the data structure are represented by product nodes. Components, which are abstractions of actual items used in the product, are represented by component nodes. Component nodes are mapped onto each product class to which the component is allocated, and are allocated to one or more component variants, these being actual items used in the production of a particular product variant. Process nodes, which are abstractions of actual steps required to produce a product variant, known as process variants, are represented by process nodes. On receiving the selection of a particular product class, the computer-aided system transfers all of the component nodes and process nodes that are allocated to this product class and is able to represent them graphically, for example. Alternatively, the system receives the input of a product variant and displays all of the component variants used in the production of this product variant, in the form of lists of materials.

IPC 1-7

G06F 17/50; G06F 17/60

IPC 8 full level

B62D 65/18 (2006.01); **G06F 17/50** (2006.01)

CPC (source: EP US)

G06F 30/00 (2020.01 - EP US); **G06Q 10/0875** (2013.01 - EP US); **G06Q 40/08** (2013.01 - EP US)

Citation (search report)

See references of WO 0011579A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 0011579 A1 20000302; AU 2003268829 A1 20040122; AU 2003268829 B2 20051124; AU 6079299 A 20000314; AU 765185 B2 20030911; CA 2338630 A1 20000302; CA 2338630 C 20050329; EP 1105822 A1 20010613; EP 1231552 A1 20020814; IL 140749 A0 20020210; JP 2002523829 A 20020730; JP 3581655 B2 20041027; US 6223094 B1 20010424; US RE41476 E 20100803; US RE44450 E 20130820

DOCDB simple family (application)

EP 9906087 W 19990819; AU 2003268829 A 20031211; AU 6079299 A 19990819; CA 2338630 A 19990819; EP 02008116 A 19990819; EP 99947267 A 19990819; IL 14074999 A 19990819; JP 2000566767 A 19990819; US 13814798 A 19980821; US 42108003 A 20030423; US 79022610 A 20100528