

Title (en)

METHOD AND DEVICE FOR SYNTHESISING AN ELECTRICAL ARCHITECTURE

Title (de)

VERFAHREN UND GERÄT ZUM SYNTHETISIEREN EINER ELEKTRISCHEN ARCHITEKTUR

Title (fr)

PROCEDE ET DISPOSITIF POUR SYNTHETISER UNE ARCHITECTURE ELECTRIQUE

Publication

**EP 1556803 A2 20050727 (FR)**

Application

**EP 03778417 A 20031021**

Priority

- FR 0303108 W 20031021
- FR 0213112 A 20021021

Abstract (en)

[origin: FR2846117A1] The method involves representing two dimensional geometry of a vehicle cut into two sections. Routing points are placed in the sections to route electrical wires, and connection points are placed between the two sections. Routing synthesis and evaluation are iteratively performed based on the geometry, position of the points and electronic components. The positions are modified based on the evaluation results, and routing synthesis and evaluation steps are repeated. An Independent claim is also included for a device for synthesizing electric or electronic architecture of a part of a product.

IPC 1-7

**G06F 17/50**

IPC 8 full level

**G06F 17/50** (2006.01)

CPC (source: EP KR US)

**G06F 17/00** (2013.01 - KR); **G06F 30/18** (2020.01 - EP US); **G06Q 30/0283** (2013.01 - EP US)

Citation (search report)

See references of WO 2004038618A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2846117 A1 20040423; FR 2846117 B1 20080822**; AU 2003285417 A1 20040513; AU 2003285418 A1 20040513; AU 2003285418 A8 20040513; AU 2003289672 A1 20040513; EP 1554672 A2 20050720; EP 1556803 A2 20050727; EP 1556804 A2 20050727; JP 2006504169 A 20060202; JP 2006504170 A 20060202; JP 2006504171 A 20060202; KR 101002372 B1 20101217; KR 101004302 B1 20101228; KR 101010975 B1 20110126; KR 20050074520 A 20050718; KR 20050074521 A 20050718; KR 20050086425 A 20050830; US 2006143587 A1 20060629; US 2006215825 A1 20060928; US 2006229742 A1 20061012; US 7441225 B2 20081021; US 7912791 B2 20110322; WO 2004038617 A2 20040506; WO 2004038617 A3 20040617; WO 2004038618 A2 20040506; WO 2004038618 A3 20040701; WO 2004038619 A2 20040506; WO 2004038619 A3 20040617

DOCDB simple family (application)

**FR 0213112 A 20021021**; AU 2003285417 A 20031021; AU 2003285418 A 20031021; AU 2003289672 A 20031021; EP 03778416 A 20031021; EP 03778417 A 20031021; EP 03778418 A 20031021; FR 0303107 W 20031021; FR 0303108 W 20031021; FR 0303109 W 20031021; JP 2004546102 A 20031021; JP 2004546103 A 20031021; JP 2004546104 A 20031021; KR 20057007756 A 20031021; KR 20057007759 A 20031021; KR 20057007760 A 20031021; US 53208005 A 20051110; US 53208903 A 20031021; US 53210505 A 20051012