Title (en)

Method for producing a component assembly using a recursion method for optimising the component assembly

Title (de)

Verfahren zum Erstellen einer Baugruppe mit einem Rekursionsverfahren zur Optimierung der Baugruppe

Title (fr)

Procédé destine à la création d'un bloc avec un procédé de récursivité destine à l'optimisation du bloc

Publication

EP 1750006 A3 20101208 (DE)

Application

EP 06117466 A 20060719

Priority

DE 102005036226 A 20050802

Abstract (en)

[origin: DE102005036226B3] A measured structural variable, particularly the dimension, of a structural component having an effect on a nominal output is determined. The effect of measured variable is quantified relative to the nominal output. The output on at least one operating point of the structural component is measured. The measured variable is varied over a range of values in special measurement region to determine a deviation relative to the determined output. A structural unit in the structural component is replaced with a structural unit having a technical function that corresponds to the measured variable. An independent claim is also included for a fuel injector.

IPC 8 full level

F02M 61/16 (2006.01); **G06F 17/50** (2006.01)

CPC (source: EP)

F02M 61/168 (2013.01); **F02M 65/00** (2013.01)

Citation (search report)

- [X] US 5684713 A 19971104 - ASADA HARUHIKO [US], et al
- [A] WO 2004081682 A1 20040923 - AVL LIST GMBH [AT], et al
- [X] DE 10211201 A1 20030925 - VOLKSWAGEN AG [DE]
- [A] DE 10242811 A1 20040325 - VOLKSWAGEN AG [DE], et al
- [A] US 5229948 A 19930720 - WEI KUANG C [US], et al
- [X] YEH-LIANG HSU: "A REVIEW OF STRUCTURAL SHAPE OPTIMIZATION", COMPUTERS IN INDUSTRY, ELSEVIER SCIENCE PUBLISHERS. AMSTERDAM, NL LNKD- DOI:10.1016/0166-3615(94)90028-0, vol. 25, no. 1, 1 November 1994 (1994-11-01), pages 3 - 13, XP000476758, ISSN: 0166-3615
- [A] HSU W ET AL: "Fuzzy application in tolerance design", FUZZY SYSTEMS, 1994. IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE ., PROCEEDINGS OF THE THIRD IEEE CONFERENCE ON ORLANDO, FL, USA 26-29 JUNE 1994, NEW YORK, NY, USA,IEEE LNKD- DOI:10.1109/FUZZY.1994.343902, 26 June 1994 (1994-06-26), pages 1182 - 1186, XP010122576, ISBN: 978-0-7803-1896-0

Cited by

CN114941601A; US9670862B2; WO2014078959A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102005036226 B3 20061102; EP 1750006 A2 20070207; EP 1750006 A3 20101208

DOCDB simple family (application)

DE 102005036226 A 20050802; EP 06117466 A 20060719