

Title (en)

METHOD, DEVICE AND COMPUTER PROGRAM PRODUCT FOR GENERATING A THREE-DIMENSIONAL MODEL

Title (de)

VERFAHREN, VORRICHTUNG UND COMPUTERPROGRAMMPRODUKT ZUR ERZEUGUNG EINES DREIDIMENSIONALEN MODELLS

Title (fr)

PROCEDE, DISPOSITIF ET PROGICIEL INFORMATIQUE POUR PRODUIRE UN MODELE TRIDIMENSIONNEL

Publication

EP 1556836 A2 20050727 (DE)

Application

EP 03735529 A 20030603

Priority

- DE 10224735 A 20020604
- EP 0305795 W 20030603

Abstract (en)

[origin: WO03102876A2] To create a three-dimensional model for a tangible existing object, the object in question is first digitized to generate a network model of the object. The network model is then divided into bilinear surface elements, which are finally reunited to form a surface or volume model. A finite element model can be created from said surface or volume model by CAD/FEM coupling. The generated models are not only accurate, but also their creation requires a relatively short computational time.

IPC 1-7

G06T 17/00

IPC 8 full level

G06T 17/20 (2006.01)

CPC (source: EP US)

G06T 17/20 (2013.01 - EP US); **G06T 2210/41** (2013.01 - EP US)

Citation (search report)

See references of WO 03102876A2

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)

WO 03102876 A2 20031211; **WO 03102876 A3 20040527**; AU 2003238204 A1 20031219; DE 10224735 A1 20040108; EP 1556836 A2 20050727; US 2006098008 A1 20060511

DOCDB simple family (application)

EP 0305795 W 20030603; AU 2003238204 A 20030603; DE 10224735 A 20020604; EP 03735529 A 20030603; US 51688205 A 20050912