Title (en)

METHOD FOR THREE-DIMENSIONAL SUPPORT OF THE MANUAL OPERATION OF GRAPHICAL USER INTERFACES

Title (de)

VERFAHREN ZUR DREIDIMENSIONALEN UNTERSTÜTZUNG DER MANUELLEN BEDIENUNG VON GRAPHISCHEN BENUTZEROBERFLÄCHEN

Title (fr)

PROCÉDÉ D'AIDE TRIDIMENSIONNELLE À LA COMMANDE MANUELLE D'INTERFACES GRAPHIQUES UTILISATEUR

Publication

EP 2497006 A1 20120912 (DE)

Application

EP 10778917 A 20101028

Priority

- CH 17012009 A 20091104
- EP 2010066396 W 20101028

Abstract (en)

[origin: WO2011054740A1] The present invention relates to the operation of a device having a graphical display operated by hand or using a stylus, characterized in that a graphical interaction is generated on said display analogous to the three-dimensional position of the hand or the stylus as soon as said hand or stylus is present in the immediate vicinity of said display. The system supports the operator in manipulating graphical user interfaces in a three-dimensional form, such that an optical reaction takes place on the existing graphical application as soon as the operator approaches, reflecting an analogous function to the position of the finger or the operating stylus. The user interface reacts at the position where the finger of the user approaches, in that the image curves, such as if seen through a sphere. The closer the finger, the stronger the effect, until ultimately contact with the surface executes the prescribed action.

IPC 8 full level

G06F 3/03 (2006.01)

CPC (source: EP US)

G06F 3/0428 (2013.01 - EP US); G06F 2203/04101 (2013.01 - EP US)

Citation (search report)

See references of WO 2011054740A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011054740 A1 20110512; CH 702146 A1 20110513; EP 2497006 A1 20120912; US 2012218217 A1 20120830

DOCDB simple family (application)

EP 2010066396 W 20101028; CH 17012009 A 20091104; EP 10778917 A 20101028; US 201013505944 A 20101028