Title (en)

USER INTERFACE WITH AN INPUT OBJECT AND METHOD FOR THE COMPUTER-ASSISTED CONTROL OF A USER INTERFACE

Title (de)

BENUTZERSCHNITTSTELLE MIT EINEM EINGABEOBJEKT UND VERFAHREN ZUR RECHNERGESTÜTZTEN ANSTEUERUNG EINER BENUTZERSCHNITTSTELLE

Title (fr)

INTERFACE UTILISATEUR DOTÉE D'UN OBJET D'ENTRÉE ET PROCÉDÉ DE COMMANDE ASSISTÉE PAR ORDINATEUR D'UNE INTERFACE UTILISATEUR

Publication

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Application

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• EP 2012068032 W 20120914

Abstract (en)

[origin: WO2013056913A1] The invention relates to a user interface comprising a touch-sensitive touch screen, a special token being placed thereon. Said token comprises two disks which are interconnected by means of a ball bearing and which enable a rotation to be directly recorded by means of the token and by a rotation controller. The guiding of the rotation by the ball bearing enables the input object to have a particular haptic quality. Said ball bearing enables values to be modified rapidly up to a free running state when the upper element is accelerated and the rotation is continued once the user releases the input object based on the low friction resistance in the ball bearing, but also very precise, small adjustments in which the token provides a step-by step modification and/or screening of the rotation, such that the user receives, for each modified unit, a discrete haptic resistance via the finger-tips. Any parameters can be adjusted in a fast and efficient manner due to the tokens. The structure of a technical system can be reproduced on the touch screen, the parameters of corresponding elements of the technical system being visualized and can be modified by annular elements.

IPC 8 full level

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CPC (source: EP US)

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