Title (en)

METHOD FOR COMPUTER OPERATION BY AN INTELLIGENT, USER ADAPTIVE INTERFACE

Title (de)

VERFAHREN ZUR COMPUTERBEDIENUNG MIT EINER INTELLIGENTEN ADAPTIVEN BENUTZEROBERFLÄCHE

Title (fr)

MISE EN OEUVRE INFORMATIQUE PAR UNE INTERFACE INTELLIGENTE ET ADAPTATIVE A L'UTILISATEUR

Publication

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Application

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Abstract (en)

[origin: WO0008556A1] Method for interactive, user adaptive operation of a computerized system by using an intelligent user interface. Information about the user and his tasks is collected and stored. A preliminary dynamic stereotype user model is built, based on predetermined default values and/or on the information about the user, as well as a task model for the user. A preliminary adaptation level of the interface is provided to the user and the user task is characterized by adaptation between the user task and the user. After a predetermined period with no user operation, assistance is offered to the user. Requests from the user are received and if found correct, executed by operating an adaptive dialog manager for the specific user. If found incorrect, instructions/help is provided to the user by the adaptive dialog manager. A user protocol representing the information about the user, collected during his operation, is generated and/or processed. Macros and/or batch automated files, representing the user's modes of operation by a sequence of operations typical for the user, are generated and/or updated. The preliminary user model, the user tasks and the user characteristics are updated in a manner responsive to the processed information from the user protocol and to successes/failures during operation of the user observed by the dialog manager. In case when a conflict between characteristics resulting from the collected information the stereotype user model occurs, the user characteristics are updated. The preliminary adaptation level of the dialog manager is modified and interaction with the user is carried out through the dialog manager according to the updated user model, user tasks and user characteristics.

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