Patent Search

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Abstract:

A SYSTEM AND METHOD FOR PERFORMING ONE OR MORE FUNCTIONS ASSOCIATED WITH AN ASSISTIVE DEVICE The present invention relates to a system and meth performing one or more functions associated with an assistive device. The method may include receiving a user input to perform one or more functions The method receiving context information associated with the user and assistive device based on the received user input. The method may include identifying at least one functic among a plurality of a function based on received context information. The method may include determining instruction to perform the identified function using a tr Subsequently, the method may include presenting the determined instruction to the user to perform the identified function. <>

Complete Specification

Claims:We claim:
1. A method for performing one or more functions associated with an assistive device, comprising one or more processors, and memory storing one or more pro for execution by the one or more processors, the method comprising:
- receiving a user input to perform one or more functions;
- receiving context information associated with the user and assistive device based on the received user input;
- identifying at least one function from among a plurality of a function based on received context information;
- determining instruction to perform the identified function using a trained model; and
- presenting the determined instruction to the user to perform the identified function.

2. The method as claimed in claim 1, wherein the user input includes at least one of one or more voice input, one or more movements, and one or more gestures
3. The method as claimed in claim 1, further comprising:
- receiving, by a central server, a device registration request from the assistive device;
- assigning, by the central server, a unique device id to the assistive device; and
- establishing secure communication between the central server and the assistive device.

4. The method as claimed in claim 1, wherein the context information associated with the user and assistive device is received by one or more sensors.
5. The method as claimed in claim1, wherein the context information includes at least one of user-based context information, location-based context information

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