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Audio-Based Application Architecture

WO EP US CN JP · [US20120198339A1](#) · Hunter Williams · Hunter Williams

Priority 2011-01-28 · Filed 2011-01-28 · Published 2012-08-02

referred to herein as in-home audio interface devices. An audio interface device 116 may in some embodiments comprise a device having a microphone and a network interface. In certain embodiments, the interface device may also have a **speaker** or other form of audio output. The interface device 116

Method for processing the output of a speech recognizer



US · [US9753912B1](#) · Philippe Roy · Great Northern Research, LLC

Priority 2007-12-27 · Filed 2015-10-23 · Granted 2017-09-05 · Published 2017-09-05

1.2 Description of Related Art Typically, the capability of **speech recognition** systems of the prior is limited to input of simple commands and dictation. More recent **speech recognition** systems enable some disambiguation of command input, however this disambiguation is more or less related to ...

Interactive **speech recognition** device and system for hands-free building control

US · [US8340975B1](#) · Theodore Alfred Rosenberger · Theodore Alfred Rosenberger

Priority 2011-10-04 · Filed 2011-10-04 · Granted 2012-12-25 · Published 2012-12-25

(d) a receiver, operatively coupled to said microcontroller, for receiving (i) weighted signals emanating from one or more other functionally identical interactive **speech recognition** control devices within said building space, and/or (ii) coordination signal derived from said weighted signals by an ...

Personal emergency response (PER) system

US · [US8747336B2](#) · Bao Tran · Bao Tran

Priority 2005-10-16 · Filed 2013-03-09 · Granted 2014-06-10 · Published 2014-06-10

In another aspect, a wearable motion sensing device includes a motion sensor wearable by a human being to sense motion of the human being; a processor; wireless communications circuitry; an audio **speaker** or beeper; and a microphone. In yet another aspect, a method of detecting motion of a human ...

Control method of exchanging telephone line of voice indication home automation ...

KR · [KR20040075647A](#) · 천두배 · 천두배

Priority 2003-02-22 · Filed 2003-02-22 · Published 2004-08-30

The SMS **server** (H1500) delivers the SMS processing result back to the CTI / modem processing software (S113), the CTI / modem processing software (S113) further comprises the step of outputting it as a voice announcement message to the user, characterized in that Telephony Control Method of Voice ...

Speech Recognition System Using Data Acquisition Terminal



KR · [KR20110117449A](#) · 이진욱 · 이진욱

Priority 2010-04-21 · Filed 2010-04-21 · Published 2011-10-27

The data collection terminal spread in each home compares the voice data collected from the **speaker** with the reference voice data through the self-recognized algorithm and extracts the displacement value and transmits it to the **server** to recognize the voice corresponding to the data collection ...

Fitness monitoring



US · [US9107586B2](#) · Bao Tran · Empire Ip Llc

Priority 2006-05-24 · Filed 2014-05-16 · Granted 2015-08-18 · Published 2015-08-18

FIG. 1, for transmitting data from the appliances 8 to the local hub or receiving station or base station **server** 20 by way of a wireless radio frequency (RF) link using a proprietary or non-proprietary protocol. For example, within a house, a user may have mesh network appliances that detect window ...

Access control through multifactor authentication with multimodal biometrics



US · [US10042993B2](#) · Homayoon Beigi · Homayoon Beigi

Priority 2010-11-02 · Filed 2015-06-23 · Granted 2018-08-07 · Published 2018-08-07

the biometric test sample of the user and the stored biometric model of the user involves at least one of **speaker** recognition, image-based or audio-based ear recognition, face recognition, fingerprint recognition, palm recognition, hand-geometry recognition, iris recognition, retinal scan, ...

System and method of dictation for a **speech recognition** command system



US · [US8886521B2](#) · Kimberly Patch · Redstart Systems, Inc.

Priority 2007-05-17 · Filed 2011-08-09 · Granted 2014-11-11 · Published 2014-11-11

In an aspect of the invention, a system for speech command control may comprise a grammar rules **server** for providing structured grammar rules, a vocabulary database for storing words for use in commands, a commands database for storing commands creating with vocabulary words according to structured ...

System and method of a list commands utility for a **speech recognition** command ...

US · [US8538757B2](#) · Kimberly Patch · Redstart Systems, Inc.

Amazon EX1075 Page 1

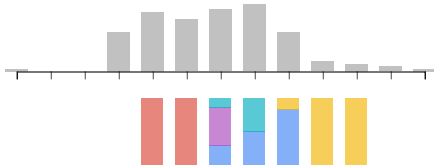
Amazon v. Smart Speaker IPR2026-00146

Priority 2007-05-17 • Filed 2009-12-21 • Granted 2013-09-17 • Published 2013-09-17

In an aspect of the invention, a system for speech command control may comprise a grammar rules **server** for providing structured grammar rules, a vocabulary database for storing words for use in commands, a commands database for storing commands creating with vocabulary words according to structured ...

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