Patents ("speech recognition" "server" "home automation" "speaker") before:priority:201

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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 EX1076 Page 1
Amazon v. Smart Speaker IPR2026-00145

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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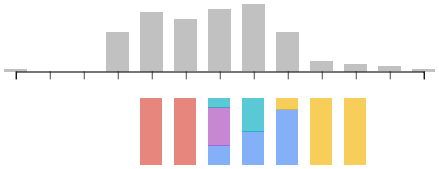

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