

Title (en)

Apparatus and method for operating voice controlled systems in vehicles

Title (de)

Einrichtung und Verfahren zum Betrieb von sprachunterstützten Systemen in Kraftfahrzeugen

Title (fr)

Appareil et méthode pour le fonctionnement de systèmes assistés par la parole dans des véhicules automobiles

Publication

**EP 1445761 B1 20160525 (DE)**

Application

**EP 04000822 A 20040116**

Priority

US 36088903 A 20030207

Abstract (en)

[origin: EP1445761A1] A process for a speech support system such as a communication or intercom unit in a motor vehicle comprises a microphone (30) and loudspeaker (31) with a band pass filter (32) between them which is adjusted according to a comparison of signal (S) power between a search frequency and an integral multiple frequency or power comparison. Independent claims are also included for the following: (a) a device as above comprising decision logic; (b) an operating process as above using feedback; and (c) an operating device using feedback.

IPC 8 full level

**G10L 21/02** (2006.01); **G10L 21/0208** (2013.01); **H04R 3/02** (2006.01); **H04R 3/00** (2006.01)

CPC (source: EP US)

**G10L 21/0208** (2013.01 - EP US); **H04R 3/02** (2013.01 - EP US); **H04R 3/005** (2013.01 - EP US); **H04R 2499/13** (2013.01 - EP US)

Cited by

DE102006016593A1; US7912228B2; WO2005018277A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

**EP 1445761 A1 20040811; EP 1445761 B1 20160525**; US 2004158460 A1 20040812; US 7467084 B2 20081216

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**EP 04000822 A 20040116**; US 36088903 A 20030207