

Title (en)

Intelligibility enhancement of audio signals containing speech

Title (de)

Verbesserung der Verständlichkeit von Sprache enthaltenden Audiosignalen

Title (fr)

Amélioration de l'intelligibilité des signaux audio contenant de la voix

Publication

**EP 1647972 A3 20060712 (DE)**

Application

**EP 05019316 A 20050906**

Priority

DE 102004049347 A 20041008

Abstract (en)

[origin: EP1647972A2] The arrangement has a speech detector (200) detecting speech in an audio signal and providing a control signal (226) to control a speech processing device. The device processes the audio signal to determine whether the audio signal includes components which indicate speech. The detector compares a range of detected speech components to a threshold value, and outputs the control signal based on the comparison result. Independent claims are also included for the following: (A) a method for processing audio signals containing speech (B) an audio processing system comprising a speech detector.

IPC 8 full level

**G10L 21/02** (2006.01); **G10L 25/93** (2013.01)

CPC (source: EP KR US)

**G10L 21/02** (2013.01 - KR); **G10L 21/0364** (2013.01 - EP US); **G10L 25/78** (2013.01 - KR)

Citation (search report)

- [X] US 2003044032 A1 20030306 - IRWAN ROY [NL], et al
- [X] WO 2004071130 A1 20040819 - NIPPON TELEGRAPH & TELEPHONE [JP], et al
- [X] US 2003055636 A1 20030320 - KATUO NAOYUKI [JP], et al
- [A] US 2002161577 A1 20021031 - SMITH BRUCE A [US] & EP 1592282 A1 20051102 - NIPPON TELEGRAPH & TELEPHONE [JP]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1647972 A2 20060419**; **EP 1647972 A3 20060712**; **EP 1647972 B1 20080326**; AT E390684 T1 20080415; DE 102004049347 A1 20060420; DE 502005003436 D1 20080508; JP 2006323336 A 20061130; KR 100804881 B1 20080220; KR 20060052101 A 20060519; US 2006080089 A1 20060413; US 8005672 B2 20110823

DOCDB simple family (application)

**EP 05019316 A 20050906**; AT 05019316 T 20050906; DE 102004049347 A 20041008; DE 502005003436 T 20050906; JP 2005294544 A 20051007; KR 20050094308 A 20051007; US 24902005 A 20051011