

Title (en)

SPEECH DETECTION SYSTEM IN AN AUDIO SIGNAL IN NOISY SURROUNDING

Title (de)

EINRICHTUNG ZUR SPRACHDETEKTION IN EINEM AUDIOSIGNAL BEI UMGEBUNGSGERÄUSCHEN

Title (fr)

SYSTEM DE DETECTION DE PAROLE DANS UN SIGNAL AUDIO EN ENVIRONNEMENT BRUITE

Publication

**EP 1451548 A2 20040901 (FR)**

Application

**EP 02788059 A 20021115**

Priority

- FR 0203910 W 20021115
- FR 0115685 A 20011205

Abstract (en)

[origin: WO03048711A2] The invention concerns a speech detection method in an audio signal comprising a step which consists in obtaining an energy information of the audio signal, said energy information being used to detect speech in the audio signal. The invention is characterized in that the method further comprises a step which consists in obtaining a vocalizing information of the audio signal, said vocalizing information being used jointly with the energy information for speech detection in the audio signal.

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**G01L 21/02**

IPC 8 full level

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CPC (source: EP US)

**G10L 25/78** (2013.01 - EP US); **G10L 25/90** (2013.01 - EP US); **G10L 25/93** (2013.01 - EP US)

Citation (search report)

See references of WO 03048711A2

Citation (examination)

- JUNQUA J -C; MAK B; REAVES B: "A robust algorithm for word boundary detection in the presence of noise", IEEE TRANSACTIONS ON SPEECH AND AUDIO PROCESSING, vol. 2, no. 3, July 1994 (1994-07-01), usa, pages 406 - 412
- LAMEL L F; RABINER L R; ROSENBERG A E; WILPON J G: "An improved endpoint detector for isolated word recognition", IEEE TRANSACTIONS ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, vol. ASSP-29, no. 4, August 1981 (1981-08-01), 08-1981, pages 777 - 785, XP002062762, DOI: doi:10.1109/TASSP.1981.1163642

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