Title (en)

Voice activity detector.

Title (de)

Anordnung zur Feststellung der Anwesenheit von Sprachlauten.

Title (fr)

Dispositif de détection de la présence d'un signal de parole.

Publication

**EP 0548054 A2 19930623 (EN)**

Application

**EP 93200015 A 19890310**

Priority

- EP 89302422 A 19890310
- GB 8805795 A 19880311
- GB 8813346 A 19880606
- GB 8820105 A 19880824

Abstract (en)

The first aspect provides a voice activity detection appts. for receiving an input signal, estimating the noise signal component of the input signal and continually forming a measure M of the spectral similarity between a portion of the input signal and the noise signal. A circuit is provided to compare a parameter derived from the measure M with a threshold value T to produce an output to indicate the presence, or absence, of speech depending on whether, or not, that value is exceeded. A second aspect covers voice activity detection appts. which continually forms a spectral distortion measure and carries out a comparison.

IPC 1-7

G10L 3/00

IPC 8 full level

**G10L 25/00** (2013.01); **G10L 25/78** (2013.01)

CPC (source: EP KR)

**G10L 25/00** (2013.01 - EP); **G10L 25/78** (2013.01 - EP KR); **G10L 25/84** (2013.01 - KR)

Cited by

AU673776B2; CN108985277A; CN102576528A; US8223988B2; US8175871B2; US8954324B2; WO9508170A1; WO2011049516A1; US9773511B2; US9990938B2; US11361784B2; KR100363309B1

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

**EP 0335521 A1 19891004**; **EP 0335521 B1 19931124**; AU 3355489 A 19891005; AU 608432 B2 19910328; BR 8907308 A 19910319; CA 1335003 C 19950328; DE 68910859 D1 19940105; DE 68910859 T2 19941208; DE 68929442 D1 20030123; DE 68929442 T2 20031002; DK 175478 B1 20041108; DK 215690 A 19900907; DK 215690 D0 19900907; EP 0548054 A2 19930623; EP 0548054 A3 19940112; EP 0548054 B1 20021211; ES 2047664 T3 19940301; ES 2188588 T3 20030701; FI 110726 B 20030314; FI 115328 B 20050415; FI 20010933 A 20010504; FI 904410 A0 19900907; HK 135896 A 19960802; IE 61863 B1 19941130; IE 890774 L 19890911; JP 2000148172 A 20000526; JP 3321156 B2 20020903; JP 3423906 B2 20030707; JP H03504283 A 19910919; KR 0161258 B1 19990320; KR 900700993 A 19900817; NO 304858 B1 19990222; NO 316610 B1 20040308; NO 903936 D0 19900910; NO 903936 L 19901109; NO 982568 D0 19980604; NO 982568 L 19901109; NZ 228290 A 19920129; PT 89978 A 19891110; PT 89978 B 19950301; WO 8908910 A1 19890921

DOCDB simple family (application)

**EP 89302422 A 19890310**; AU 3355489 A 19890310; BR 8907308 A 19890310; CA 593386 A 19890310; DE 68910859 T 19890310; DE 68929442 T 19890310; DK 215690 A 19900907; EP 93200015 A 19890310; ES 89302422 T 19890310; ES 93200015 T 19890310; FI 20010933 A 20010504; FI 904410 A 19900907; GB 8900247 W 19890310; HK 135896 A 19960725; IE 77489 A 19890310; JP 32819899 A 19991118; JP 50377289 A 19890310; KR 890702099 A 19891109; NO 903936 A 19900910; NO 982568 A 19980604; NZ 22829089 A 19890310; PT 8997889 A 19890310