

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