

Title (en)

Method for the reconstruction of low speech frequencies from mid-range frequencies

Title (de)

Verfahren zur Rekonstruktion tieffrequenter Sprachanteile aus mittelhohen Frequenzanteilen

Title (fr)

Procédé de reconstruction des basses fréquences du signal de parole à partir de fréquences moyennes

Publication

EP 1130577 A3 20020918 (DE)

Application

EP 01102129 A 20010201

Priority

DE 10010037 A 20000302

Abstract (en)

[origin: EP1130577A2] The method involves determining at least two adjacent frequency components in the speech signal with increased amplitude above a frequency threshold (w0). The fundamental frequency (wg) of the speech signal is determined as the difference between the two or more adjacent frequency components and the low frequency range is reconstructed below the threshold frequency using the determined fundamental frequency. Independent claims are also included for the following: (1) the use of the method in a moving vehicle (2) an arrangement for reconstruction of low frequency speech components.

IPC 1-7

G10L 21/02

IPC 8 full level

G10L 21/038 (2013.01)

CPC (source: EP)

G10L 21/038 (2013.01)

Citation (search report)

- [A] US 4700390 A 19871013 - MACHIDA KENJI [JP]
- [AD] US 4091237 A 19780523 - WOLNOWSKY HOWARD ERVIN, et al

Cited by

US7756714B2; CN113362840A; EP1814107A1; CN111863006A; CN112151065A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1130577 A2 20010905; EP 1130577 A3 20020918; EP 1130577 B1 20070606; AT E364221 T1 20070615; DE 10010037 A1 20010906; DE 10010037 B4 20091126; DE 50112581 D1 20070719

DOCDB simple family (application)

EP 01102129 A 20010201; AT 01102129 T 20010201; DE 10010037 A 20000302; DE 50112581 T 20010201