

Title (en)

PERCEPTUAL SPECTRAL WEIGHTING OF FREQUENCY BANDS FOR ADAPTIVE NOISE CANCELLATION

Title (de)

WAHRNEHMUNGSBEZOGENE SPEKTRALE GEWICHTUNG VON FREQUENZBÄNDERN FÜR DIE ADAPTIVE RAUSCHLÖSCHUNG

Title (fr)

PONDERATION SPECTRALE PERCEPTIVE DE BANDES DE FREQUENCE POUR UNE SUPPRESSION ADAPTATIVE DU BRUIT

Publication

EP 1287521 A4 20051116 (EN)

Application

EP 01918328 A 20010302

Priority

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- US 53781400 A 20000328

Abstract (en)

[origin: WO0173759A1] A communication system for processing a communication signal derived from speech and noise enhances the quality of the communication signal by providing a filter (50) dividing the communication signal into a plurality of frequency band signals representing the communication signal in a plurality of frequency bands. A calculator generates a likelihood signal having values representing the likelihoods that the communication signal is derived from speech (70). The calculator assigns weighting values (120) to the frequency band signals in response to the values of the likelihood signal. The calculator also alters the frequency band signals in response to the weighting values to generate weighted frequency band signals, and combines (160) the weighted frequency bands signals to generate a communication signal with enhanced quality (170).

IPC 1-7

G10L 21/02; **G10L 11/00**

IPC 8 full level

G10L 21/02 (2006.01); **G10L 21/0208** (2013.01); **G10L 19/02** (2006.01); **G10L 21/0232** (2013.01); **G10L 21/0264** (2013.01)

CPC (source: EP)

G10L 21/0208 (2013.01); **G10L 19/0204** (2013.01); **G10L 21/0232** (2013.01); **G10L 21/0264** (2013.01)

Citation (search report)

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- See references of WO 0173759A1

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