

Title (en)

Method and device for reducing noise in a decoded signal

Title (de)

Verfahren und Vorrichtung zur Geräuschesunterdrückung bei einem decodierten Signal

Title (fr)

Procédé et dispositif pour réduire le bruit dans un signal décodé

Publication

EP 1953739 B1 20140604 (DE)

Application

EP 08008031 A 20060412

Priority

- EP 06725716 A 20060412
- DE 102005019863 A 20050428
- DE 102005028182 A 20050617
- DE 102005032079 A 20050708

Abstract (en)

[origin: WO2006114368A1] A noise suppression process comprising a first decoded signal portion (SCELP) and a second decoded signal portion (STDAC) which involves determining a first energy envelope generating curve (ENVCELP) and a second energy envelope generating curve (ENVTDAC) of the first signal portion and of the second decoded signal portion. The process then involves forming an identification number (R) depending on a comparison of the first and second energy envelope generating curves, deriving an amplification factor (G) which depends on the identification number. An independent claim is also included for the device e.g. communication equipment.

[origin: WO2006114368A1] A noise suppression process (S_OUT) for a decoded signal comprising a first decoded signal portion (S_CELP) and a second decoded signal portion (S_TDAC) has the following steps: determining a first energy envelope generating curve (ENV_CELP) and a second energy envelope generating curve (ENV_TDAC) of the first signal portion (S_CELP) and of the second decoded signal portion (S_TDAC); forming an identification number (R) depending on a comparison of the first and second energy envelope generating curves (ENV_CELP, ENV_TDAC); deriving an amplification factor (G) which depends on the identification number (R); advantageously multiplying the second decoded signal portion by the amplification factor, which leads to the desired reduction of pre-echo and post-echo interference noises.

IPC 8 full level

G10L 19/025 (2013.01); **G10L 19/02** (2006.01); **G10L 19/24** (2013.01); **G10L 21/02** (2013.01); **G10L 21/0364** (2013.01)

CPC (source: EP KR US)

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