

Title (en)

METHOD AND APPARATUS FOR ARTIFICIALLY EXPANDING THE BANDWIDTH OF VOICE SIGNALS

Title (de)

VERFAHREN UND VORRICHTUNG ZUR KÜNSTLICHEN ERWEITERUNG DER BANDBREITE VON SPRACHSIGNALEN

Title (fr)

PROCEDE ET DISPOSITIF POUR ELARGIR ARTIFICIELLEMENT LA LARGEUR DE BANDE DE SIGNAUX VOCAUX

Publication

EP 1825461 B1 20080903 (DE)

Application

EP 06840370 A 20060630

Priority

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Abstract (en)

[origin: US2008126081A1] A method for the artificial extension of the bandwidth of speech signals involves: a) Provision of a wideband input speech signal (s_{wb}ⁱ</SUP>(k)); b) Determination of the signal components (s_{eb}^(k)) of the wideband input speech signal (s_{wb}ⁱ</SUP>(k)) required for the bandwidth extension from an extension band from the wideband input speech signal (s_{wb}ⁱ</SUP>(k)); c) Determination of the temporal envelopes of the signal components (s_{eb}^(k)) determined for the bandwidth extension; d) Determination of the spectral envelopes of the signal components (s_{eb}^(k)) determined for bandwidth extension; e) Encoding of the information for the temporal envelopes and the spectral envelopes, and provision of the encoded information by carrying out the extension of the bandwidth; f) Decoding of the encoded information and generation of the temporal envelopes and the spectral envelopes from the encoded information for the production of a bandwidth-extended output speech signal (s_{wb}^o</SUP>(k)).

IPC 8 full level

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CPC (source: EP KR US)

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