Title (en)

IMPROVED FRAME ERASURE CONCEALMENT FOR PREDICTIVE SPEECH CODING BASED ON EXTRAPOLATION OF SPEECH WAVEFORM

Title (de)

VERBESSERTES VERBERGEN EINER RAHMENLÖSCHUNG FÜR DIE PRÄDIKTIVE SPRACHCODIERUNG AUF DER BASIS EINER EXTRAPOLATION EINER SPRACHSIGNALFORM

Title (fr)

MASQUAGE AMELIORE DE L'EFFACEMENT DES TRAMES DESTINE AU CODAGE PREDICTIF DE LA PAROLE BASE SUR L'EXTRAPOLATION DE LA FORME D'ONDES DE LA PAROLE

Publication

EP 1433164 A4 20060712 (EN)

Application

EP 02757200 A 20020819

Priority

- US 0226255 W 20020819
- US 31278901 P 20010817
- US 34437402 P 20020104
- US 18360802 A 20020628
- US 18344802 A 20020628
- US 18345102 A 20020628

Abstract (en)

[origin: WO03023763A1] A method and system are provided for synthesizing a number of corrupted frames output from a decoder (100) including one or more predictive filters. The corrupted frames are representative of one segment of a decoded signal (sq(n)) output from the decoder. The method comprises (202) determining a first preliminary time lag (ppfe1) based upon examining a predetermined number of samples of another segment of the decoded signal and determining a scaling factor (ptfe) associated with the examined number of samples when the first preliminary time lag (ppfe1) is determined. The method also comprises extrapolating one or more replacement frames based upon the first preliminary time lag (ppfe1) and the scaling factor (ptfe).

IPC 8 full level

G10L 19/005 (2013.01)

CPC (source: EP)

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Citation (search report)

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- [A] WO 9966494 A1 19991223 - COMSAT CORP [US]
- [A] WATKINS C R ET AL: "Improving 16 kb/s G.728 LD-CELP speech coder for frame erasure channels", ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, 1995. ICASSP-95., 1995 INTERNATIONAL CONFERENCE ON DETROIT, MI, USA 9-12 MAY 1995, NEW YORK, NY, USA,IEEE, US, vol. 1, 9 May 1995 (1995-05-09), pages 241 - 244, XP010625214, ISBN: 0-7803-2431-5
- [A] ANONYMOUS: "Frame or packet loss concealment for the LD-CELP decoder", INTERNATIONAL TELECOMMUNICATION UNION. GENEVA, CH, May 1999 (1999-05-01), XP017400887
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- See references of WO 03023763A1

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US10529341B2; US11100936B2; US11694699B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 03023763 A1 20030320; DE 60223580 D1 20071227; DE 60223580 T2 20080918; EP 1433164 A1 20040630; EP 1433164 A4 20060712; EP 1433164 B1 20071114

DOCDB simple family (application)

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