Title (en)

LOW-COMPLEXITY CODE EXCITED LINEAR PREDICTION ENCODING

Title (de)

WENIG KOMPLEXE CODEERREGTE LINEARPRÄDIKTIONS-CODIERUNG

Title (fr)

CODAGE DE PREVISION LINEAIRE A EXCITATION DE CODE DE FAIBLE COMPLEXITE

Publication

EP 1859441 A1 20071128 (EN)

Application

EP 05722196 A 20050309

Priority

SE 2005000349 W 20050309

Abstract (en)

[origin: WO2006096099A1] Information (km) about excitation signals of a first signal (sm(n)) encoded by CELP is used to derive a limited set (10') of candidate excitation signals for a second correlated second signal (ss(n)). Preferably, pulse locations of the excitation signals of the first encoded signal (sm(n)) are used for determining the set (10') of candidate excitation signals. More preferably, the pulse locations of the set of candidate excitation signals are positioned in the vicinity of the pulse locations of the excitation signals of the first encoded signal (sm(n)). The first and second signals (sm(n), ss(n)) may be multi-channel signals of a common speech or audio signal. However, the first and second signals (sm(n), ss(n)) may also be identical, whereby the coding of the second signal (ss(n)) can be utilized for re-encoding at a lower bit rate.

IPC 8 full level

G10L 19/12 (2013.01); **G10L 19/008** (2013.01); **G10L 19/09** (2013.01); **G10L 19/10** (2013.01); **G10L 19/107** (2013.01)

CPC (source: BR EP)

G10L 19/008 (2013.01 - BR EP); **G10L 19/10** (2013.01 - EP)

Citation (search report)

See references of WO 2006096099A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

WO 2006096099 A1 20060914; AT 513290 T 20110715; BR PI0520115 A2 20090915; BR PI0520115 B1 20180717; CN 101138022 A 20080305; CN 101138022 B 20110810; EP 1859441 A1 20071128; EP 1859441 B1 20110615; JP 2008533522 A 20080821; JP 5174651 B2 20130403; KR 101235425 B1 20130220; KR 20070116869 A 20071211; TW 200639801 A 20061116

DOCDB simple family (application)

SE 2005000349 W 20050309; AT 05722196 T 20050309; BR PI0520115 A 20050309; CN 200580048981 A 20050309; EP 05722196 A 20050309; JP 2008500663 A 20050309; KR 20077023047 A 20050309; TW 94144472 A 20051215