

Title (en)  
ANALOG SIGNAL ENCODING METHOD

Title (de)  
VERFAHREN ZUM CODIEREN EINES ANALOGEN SIGNALS

Title (fr)  
PROCEDE DE CODAGE D'UN SIGNAL ANALOGIQUE

Publication  
**EP 1834322 B1 20150218 (DE)**

Application  
**EP 05815885 A 20051205**

Priority  
• EP 2005056479 W 20051205  
• DE 102005000828 A 20050105

Abstract (en)  
[origin: WO2006072519A1] The invention relates to a method for encoding an analog signal (AS) divided into time frames and to a synthetic signal (AS <SUB>syn</SUB>) which is formed on the model thereof in a time frame manner by means of a synthesis filter (A(z)) which is excited by an excitation signal (exc), wherein said excitation signal (exc<SUB>p</SUB>, exc) is formed by means of at least one adaptive code list (ACB) containing a plurality of scanning values provided with a defined scanning space. For the actual excitation signal (exc<SUB>p</SUB>, exc), a segment corresponding to the time frame length is selected from the plurality of scanning values by means of a speech-based frequency parameter (p) which can take non-integer values and, in such a case, the values intermediate to the scanning values defined by said speech-based frequency parameter (p) are formed in such a way that the time space between the intermediate values and the scanning values is reduced and the totality of the intermediate and the scanning values is used for forming the excitation signal (exc<SUB>p</SUB>, exc).

IPC 8 full level  
**G10L 19/09** (2013.01)

CPC (source: EP US)  
**G10L 19/09** (2013.01 - EP US)

Designated contracting state (EPC)  
DE FR GB IT SE

DOCDB simple family (publication)  
**DE 102005000828 A1 20060713**; CN 101099198 A 20080102; CN 101099198 B 20120627; CN 102655004 A 20120905;  
CN 102655004 B 20150617; EP 1834322 A1 20070919; EP 1834322 B1 20150218; US 2009276226 A1 20091105; US 7957978 B2 20110607;  
WO 2006072519 A1 20060713

DOCDB simple family (application)  
**DE 102005000828 A 20050105**; CN 200580046048 A 20051205; CN 201210137786 A 20051205; EP 05815885 A 20051205;  
EP 2005056479 W 20051205; US 79479005 A 20051205