

Title (en)  
SIGNAL PREDICTION METHOD AND DEVICE FOR A SPEECH CODER

Title (de)  
VERFAHREN UND VORRICHTUNG ZUR SIGNALPRÄDIKTION FÜR EINEN SPRACHKODIERER

Title (fr)  
METHODE ET DISPOSITIF DE PREDICTION DE SIGNAL POUR UN CODEUR DE PAROLE

Publication  
**EP 0796490 B1 20000802 (FR)**

Application  
**EP 96934902 A 19961011**

Priority

- EP 96934902 A 19961011
- EP 96402030 A 19960925
- FR 9601596 W 19961011
- FR 9511937 A 19951011

Abstract (en)  
[origin: WO9714139A1] A method and a device for predicting periodicity data present in a voice signal to be coded that is subdivided into a series of sub-frames. The prediction is performed using an adaptive dictionary built up from the optimal excitation of each preceding sub-frame. The previous predictions are filtered and correlated to enable selection of the desired predicted signal, which is then compared with the starting information so that only the prediction error is coded and transmitted. The method and device are useful in video telephony.

IPC 1-7  
**G10L 19/08**

IPC 8 full level  
**G10L 19/08** (2013.01); **H03M 7/30** (2006.01); **H04B 14/06** (2006.01)

CPC (source: EP)  
**G10L 19/08** (2013.01); **G10L 2019/0011** (2013.01)

Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
**WO 9714139 A1 19970417**; DE 69609592 D1 20000907; DE 69609592 T2 20010329; EP 0796490 A1 19970924; EP 0796490 B1 20000802; JP H11500837 A 19990119

DOCDB simple family (application)  
**FR 9601596 W 19961011**; DE 69609592 T 19961011; EP 96934902 A 19961011; JP 51478297 A 19961011