

Title (en)  
Voice coders

Title (de)  
Sprachkodierer

Title (fr)  
Codeurs de voix

Publication  
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Application  
**EP 95108870 A 19950608**

Priority  
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Abstract (en)  
The invention relates to a method of improving the features of voice encoders based on linear prediction and analysis-by-synthesis techniques making use of an objective function to minimize. This objective function comprises jointly or alternately the free evolution of the objective signal and of the synthetic signal and a weighing with respect to the error between the prediction residue and the synthetic excitation. <IMAGE>

IPC 1-7  
**G10L 3/00**; **G10L 9/14**; **G10L 3/02**; **G10L 9/18**

IPC 8 full level  
**G10L 19/083** (2013.01); **G10L 19/12** (2013.01)

CPC (source: EP)  
**G10L 19/083** (2013.01); **G10L 19/12** (2013.01)

Citation (applicant)  
• P. KROON, E.F. DEPRETTERE: "A class of analysis-by-synthesis predictive coders for high quality speech coding at rates between 4.8 and 16 Kbit/s", IEEE JOURNAL ON SELECTED AREAS IN COMMUNICATIONS, vol. 6, no. 2, February 1988 (1988-02-01), pages 353 - 363  
• "Proc. ICASSP '85 (International Conference on Acoustics, Speech and Signal Processing)", article M.R. SCHROEDER, B.S. ATAL: "Code Excited Linear Prediction (CELP): high-quality speech at very low bit rates", pages: 26 - 29  
• "Proc. ICASSP '88 (International Conferences on Acoustics, Speech and Signal Processing)", article W.B. KLEIJN, D.J. KRASINSKI, R.H. KETCHUM: "Improved Speech Quality and Efficient Vector Quantization in SELP", pages: 155 - 158

Citation (search report)  
• [A] EP 0516439 A2 19921202 - MOTOROLA INC [US]  
• [A] EP 0515138 A2 19921125 - NOKIA MOBILE PHONES LTD [FI]  
• [A] EP 0465057 A1 19920108 - AMERICAN TELEPHONE & TELEGRAPH [US]

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DE FR GB IT

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