

Title (en)  
Allophone vocoder.

Title (de)  
Allophonvokoder.

Title (fr)  
Vocodeur allophonique.

Publication  
**EP 0071716 A2 19830216 (EN)**

Application  
**EP 82105168 A 19820614**

Priority  
• US 28960381 A 19810803  
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Abstract (en)  
An allophone vocoder which utilizes the inherent redundancy of the spoken language together with the automatic human filtering of speech so as to obtain a speech compression and recognition system. An analog speech signal is broken up into its phoneme components (105) and encoded for transmission (110). The encoded phoneme sequence has a much higher compression rate than the analog speech signal. The phonemes are then either transmitted (110), stored (109), or used to generate directly an analogous allophone sequence (114) so as to approximate the original speech signal. Due to the inherent redundancy of the spoken language, and the filtering effect of the human, variations or errors in the approximations of the phonemes received from the original speech signal are inconsequential to the comprehension ability of the final allophone synthesized speech.

IPC 1-7  
**G10L 1/00**

IPC 8 full level  
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CPC (source: EP)  
**G10L 19/00** (2013.01); **G10L 19/0018** (2013.01)

Cited by  
DE3513243A1; US7353174B2; EP0128093A1; FR2547146A1; US7353173B2; US6125284A; EP0718819A3; FR2642882A1; US5832425A; EP0706172A1; US7353172B2; EP4064280A4; US6304845B1; WO9940568A1; WO9009656A1

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