

Title (en)  
METHODS AND APPARATUS FOR SIMULTANEOUSLY COMMUNICATING VOICE AND DATA IN AN ANALOG CORDLESS TELEPHONE SYSTEM

Title (de)  
VERFAHREN UND VORRICHTUNGEN ZUM GLEICHZEITIGEN ÜBERMITTELN VON SPRACHE UND DATEN IN EINEM ANALOGEN SCHNURLOSEN FERNSPRECHSYSTEM

Title (fr)  
PROCEDES ET DISPOSITIF DE TRANSMISSION SIMULTANEE VOIX ET DONNEES DANS UN SYSTEME TELEPHONIQUE ANALOGIQUE SANS CORDON

Publication  
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Application  
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Abstract (en)  
[origin: WO0241617A2] A method of simultaneously communicating voice and data on the same channel in an analog cordless telephone system involves generating an analog signal from an audible voice signal during a cordless telephone call; generating a frequency shift keying (FSK) signal from digital data having a nominal frequency of about 20 KHz; summing the analog signal and the FSK signal to produce a composite analog and digital signal; modulating a radio frequency (RF) carrier with the composite analog and digital signal to produce a modulated RF carrier; and transmitting the modulated RF carrier. On the receiving end, the method involves receiving the modulated RF carrier during the call; demodulating the modulated RF carrier to reproduce the composite analog and digital signal; bandpass filtering the composite analog and digital signal to separate the analog signal and the FSK signal from one another; reproducing the audible voice signal from the analog signal; and detecting the digital data from the FSK signal and processing the digital data for display and control.

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**H04M 11/06**; **H04M 1/725**

IPC 8 full level  
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