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(84) Designated Contracting States: AT BE CH DE FR GB IT LI LU NL SE 71 Applicant: Audicom Corporation 800 Second Avenue

New York, N.Y.10017(US)

72 Inventor: Howard, Jonathan M. P.O. Box 328, Colony Court Easthampton, N.Y. 11937(US)

(74) Representative: Berkenfeld, Helmut, Dipl.-Ing.

An der Schanz 2 D-5000 Köln 60(DE)

(54) Encoding of transmitted program material.

(57) An audio program is encoded with a subaudible binary code. A first value bit (mark) is a first frequency signal and a second value bit (space) is a second frequency signal. The coded message includes an initialization period constituted by a signal having the mark frequency. In decoding, the mark and space signals are detected through first and second band pass filters specific to the mark and space signal frequencies. The mark and space frequencies are sufficiently different to permit separate filtering. The time duration for each bit of the code is substantial. The decoder through a phase locked loop and integrator reads the bit on the basis of the average value of the bit over the duration of the bit. A synchronization signal provides for synchronous reading of the code. This signal that initiates the decoding operation is generated only in response to the coincident detection of the initialization signal, the notch and a mark response at the phase locked loop.



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EUROPEAN SEARCH REPORT

. Application number

EP 84 11 0927

DOCUMENTS CONSIDERED TO BE RELEVANT					
Category	Citation of document with indication, where appropriate, of relevant passages		Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Ci.4)	
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	* Abstract; fig	ıres; claims *	1	H 04 L 27/10	
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	* Column 2, line line 24; claim	e 47 - column 4, ns 1-3; figures *	1,2	н 04 н	
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Y : par doc A : tech O : non	CATEGORY OF CITED DOCU ticularly relevant if taken alone ticularly relevant if combined we ument of the same category annological background -written disclosure rmediate document	E : earlier paten after the filin ith another D : document cit L : document cit	t document, b g date led in the app led for other r	ring the invention out published on, or lication easons of family, corresponding	



<i>9</i> '				
CLAI	MS INCURRING FEES			
	It claims fees have been paid within the prescribed time limit. The present European search report has been rawn up for all claims. Only part of the claims fees have been paid within the prescribed time limit. The present European search			
	eport has been drawn up for the first ten claims and for those claims for which claims less have been paid within the prescribed time limit. The present European search report has been			
X LAC	K OF UNITY OF INVENTION			
The Search D	ivision considers that the present European patent application does not comply with the requirement of unity of relates to several inventions or groups of inventions,			
) Claims 1-7: Decoder for coded audio program material			
2) Claims 8-13: Coder for coded audio program material			
	All further search fees have been paid within the fixed time limit. The present European search report has			
	been drawn up for all claims.			
	Only part of the further search fees have been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the inventions in respect of which search fees have been paid. namely claims:			
図	None of the further search fees has been paid within the fixed time limit. The present European search report has been drawn up for those parts of the European patent application which relate to the invention first mentioned in the claims,			
1	namely claims: 1-7			