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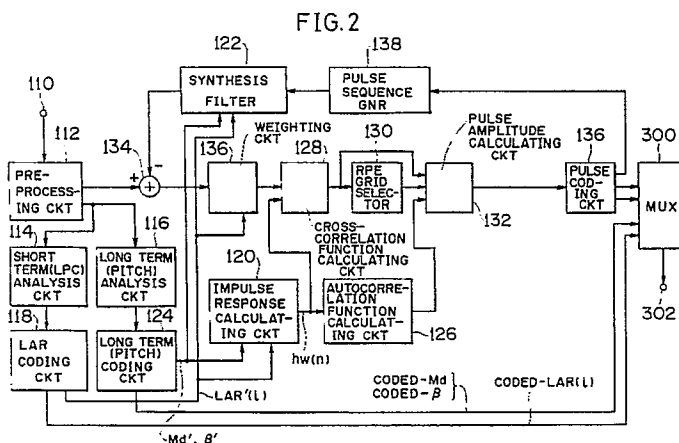
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relation function signal using the signal applied. A cross-correlation function signal generates a cross-correlation function signal using the discrete-time speech signal and the autocorrelation function signal. A grid signal generator receive the output of the cross-correlation function calculating circuit, and outputs a grid signal indicative of a location of a first excitation pulse within one frame. A pulse amplitude calculating circuit receives the autocorrelation function signal, the cross-correlation function signal and the grid signal, and determines an amplitude sequence of excitation pulses within one frame.





EUROPEAN SEARCH REPORT

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
E	EP-A-0 374 941 (NEC CORP.) * Claims 6,7 *	1,2,4,6,7	G 10 L 9/14
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A	ICASSP'85 (IEEE INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, Tampa, Florida, 26th - 29th March 1985), vol. 1, pages 256-259, IEEE, New York, US; J.P. ADOUL et al.: "Generalization of the multipulse coding for low bit rate coding purposes: the generalized decimation" * Pages 257,258: "Concept of the generalized decimation" *	1,4,6	
- - -			
A	ICASSP'87 (1987 INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, Dallas, Texas, 6th - 9th April 1987), vol. 2, pages 968-971, IEEE, New York, US; A. FUKUI et al.: "Implementation of a multi-pulse speech codec with pitch prediction on a single chip floating-point signal processor" * Figure 2 *	1,2,4,6,7	
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A	ICASSP'88 (1988 INTERNATIONAL CONFERENCE ON ACOUSTICS, SPEECH, AND SIGNAL PROCESSING, New York, 11th - 14th April 1988), vol. 1, pages 227-230, IEEE, New York, US; P. VARY et al.: "Speech codec for the European mobile radio system" * Figure 1 *	1,4	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 10 L 9/14
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		26 July 91	ARMSPACH J.F.A.M.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons &: member of the same patent family, corresponding document			