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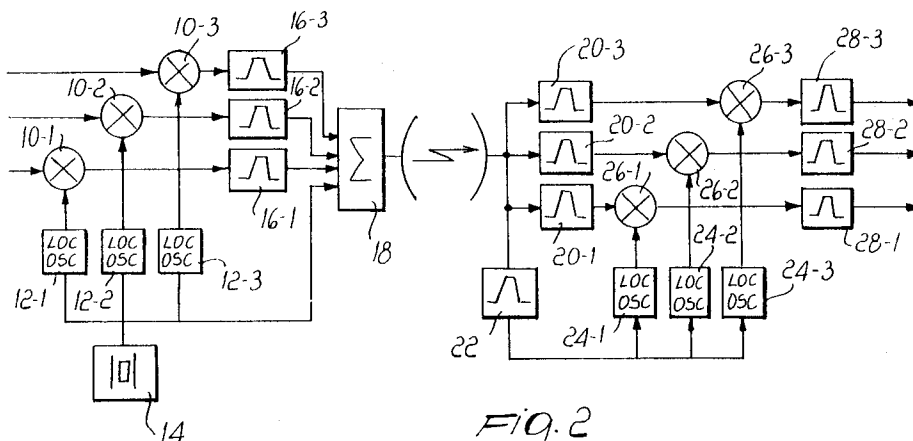
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(54) **Method for transferring, by means of a radio relay system radiophonic signals for isofrequency broadcasting.**

(57) The frequency of the "isofrequency" radiophonic signal (f_i) is converted by beating together with a fixed frequency generated by a local oscillator (12) controlled by a reference oscillator (14) according to a constant factor. By using band-pass filtering, an intermediate carrier frequency signal (f_p), equal to the difference between the frequency of the radiophonic signal and the fixed frequency, is extracted and transmitted over the radio relay system together with the reference frequency. At the receiving end, the signal received from the radio relay

system is filtered in two band-pass filters (20, 22) so as to isolate the intermediate signal and the reference frequency. The fixed frequency is reconstructed from the reference frequency by multiplying by the above mentioned factor, and the intermediate signal is reconverted by beating together with the fixed frequency; filtering so as to reobtain the original radiophonic signal. The method can be extended to the transmission of a plurality of radiophonic signals with a single reference frequency on a same radio relay system.

*Fig. 2***EP 0 582 103 A3**



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EUROPEAN SEARCH REPORT

Application Number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 93111014.2
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A	<u>US - A - 4 475 243</u> (BATUVALA et al.) * Abstract; fig. 1; column 2, line 65 - column 4, line 62 * --	1, 3, 4, 6, 7	G 08 G 1/09 H 04 B 7/14
A	<u>US - A - 5 089 815</u> (POTTER et al.) * Abstract; fig. 5; column 7, line 42 - column 8, line 15 * --	1, 9	
D, A	<u>EP - A - 0 291 676</u> (RAI) * Abstract; column 3, lines 34-39 * ----	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G 08 G H 04 B H 04 H
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 30-11-1994	Examiner FUSSY
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	