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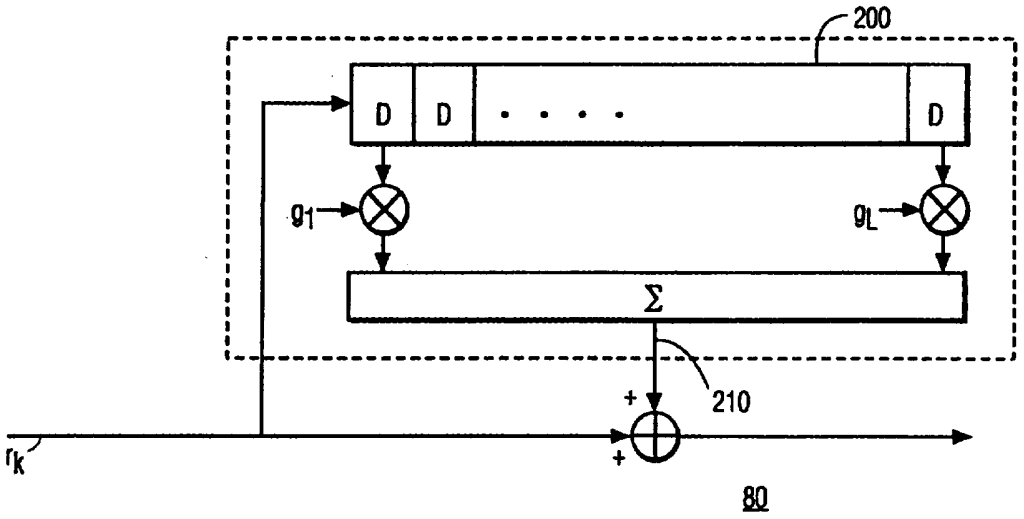
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(54) Title: METHOD AND APPARATUS FOR OPTIMAL NTSC REJECTION FILTERING AND TRANSMITTER AND RECEIVER COMPRISING SAME



(57) Abstract

The invention comprises an optimal causal, monic (first coefficient of filter is 1) NTSC rejection filter for use at an ATV receiver which is designed to optimally process the interference caused by an NTSC co-channel signal while keeping the noise enhancement to a desirably low value. In other words, the designed method gives the filter with the BEST NTSC rejection capability for a given noise enhancement.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB 95/00541

A. CLASSIFICATION OF SUBJECT MATTER

IPC6: H04N 5/21, H04N 9/79
According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC6: H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5151785 A (RICHARD W, CITTA), 29 Sept 1992 (29.09.92), column 3, line 47 - column 4, line 41 --	1-4
Y	US 5291291 A (CARL G. EILERS), 1 March 1994 (01.03.94), column 3, line 32 - line 61, abstract --	1-4
A	US 5260793 A (RICHARD W. CITTA ET AL), 9 November 1993 (09.11.93) --	1-4
A	US 5121203 A (RICHARD W. CITTA), 9 June 1992 (09.06.92), cited in the application --	1-4

[X] Further documents are listed in the continuation of Box C. [X] See patent family annex.

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Date of the actual completion of the international search	Date of mailing of the international search report
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Name and mailing address of the ISA/ Swedish Patent Office Box 5055, S-102 42 STOCKHOLM Facsimile No. +46 8 666 02 86	Authorized officer Rune Bengtsson Telephone No. +46 8 782 25 00

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International application No.
PCT/IB 95/00541

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 3652998 A (GEORGE DAVID FORNEY JR), 28 March 1972 (28.03.72), cited in the application	1-4
A	US 5086340 A (RICHARD W. CITTA ET AL), 4 February 1992 (04.02.92), cited in the application	1-4
A	US 5087975 A (RICHARD W. CITTA ET AL), 11 February 1992 (11.02.92), cited in the application	1-4

INTERNATIONAL SEARCH REPORT

Information on patent family members

11/12/95

International application No.
PCT/IB 95/00541

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US-A- 5151785	29/09/92	NONE	
US-A- 5291291	01/03/94	NONE	
US-A- 5260793	09/11/93	NONE	
US-A- 5121203	09/06/92	US-A- 5258838	02/11/93
US-A- 3652998	28/03/72	NONE	
US-A- 5086340	04/02/92	CA-A- 2094391	20/04/92
		EP-A- 0553252	04/08/93
		JP-T- 6502520	17/03/94
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