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(54) Title: CROSSTALK CANCELLATION

(57) Abstract: A device useful for cancellation of crosstalk in an optical transceiver, integrating transmission of an output signal and reception of an input signal comprising: a tunable filter for cancelling the crosstalk component from the transmitter to the receiver; a delay element for closing the gap between the input signal and cancelled crosstalk component; and an adaptation circuit for adjusting to the changing characteristics of the device, such as the signal to noise and distortion ratio and the relative amounts of electrical and optical crosstalk, such that the crosstalk component from the transmitter to the receiver is more fully cancelled.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 H04B10/12 H04J14/02 H04B10/24 H04B3/23

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)
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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 practical, search terms used)

EPO-Internal, WPI Data, INSPEC, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01 33730 A (SINGERL PETER ; STRAEUSSNIGG DIETMAR (AT); SCHENK HEINRICH (DE); IN) 10 May 2001 (2001-05-10) abstract page 1, line 11 -page 2, line 30 page 8, line 7 -page 11, line 24 page 16, line 26 -page 19, line 28 figures 1,5,610	1-10
X	US 5 307 405 A (SIH GILBERT C) 26 April 1994 (1994-04-26) abstract column 6, line 7 -column 9, line 9 figures 2,4,5	1-10

Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 198 819 B1 (FARRELL DAVID S ET AL) 6 March 2001 (2001-03-06) column 4, line 16 -column 5, line 15 figure 2 -----	1-10

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Information on patent family members

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