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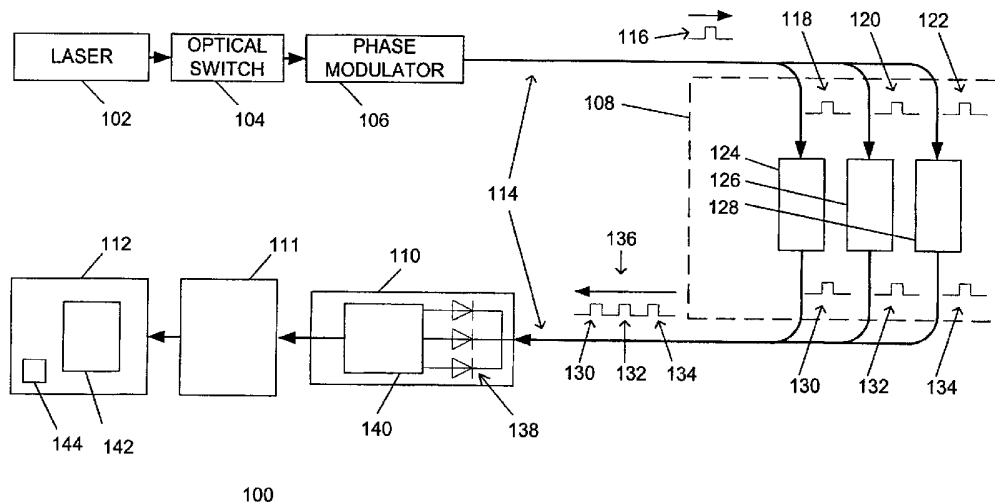
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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: FILTERED CALCULATION OF SENSOR ARRAY INDUCED PHASE ANGLE INDEPENDENT FROM DEMODULATION PHASE OFFSET OF PHASE GENERATED CARRIER



(57) Abstract: A sensor array employs a parameter to induce a time-varying phase angle on an optical signal that comprises a phase generated carrier with a demodulation phase offset. An output signal from the sensor array is filtered to create a filtered signal. The phase angle is calculated independently of the demodulation phase offset through employment of the filtered signal.

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INTERNATIONAL SEARCH REPORT

International Application No

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01D5/353

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)

IPC 7 G01D

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, PAJ, INSPEC, COMPENDEX, IBM-TDB

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	<p>KERSEY A D ET AL: "MULTIPLEXED MACH-ZEHNDER LADDER ARRAY WITH TEN SENSOR ELEMENTS"                      ELECTRONICS LETTERS, IEE STEVENAGE, GB,                      vol. 25, no. 19,                      14 September 1989 (1989-09-14), pages                      1298-1299, XP000073739                      ISSN: 0013-5194                      figure 1                      page 1298, left-hand column, lines 36-39                      page 1298, right-hand column, last line -                      page 1299, left-hand column, line 1</p> <p style="text-align: center;">----- -/--</p>	<p>1-5,                      10-14,                      24-28</p>

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.
Y	KERSEY A D ET AL: "NOVEL PASSIVE PHASE NOISE CANCELLING TECHNIQUE FOR INTERFEROMETRIC FIBRE OPTIC SENSORS" ELECTRONICS LETTERS, IEE STEVENAGE, GB, vol. 26, no. 10, 1 May 1990 (1990-05-01), pages 640-641, XP000124175 ISSN: 0013-5194 page 640, left-hand column, line 35 - right-hand column, line 46 page 641, last paragraph -----	1-5, 10-14, 24-28
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Information on patent family members

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