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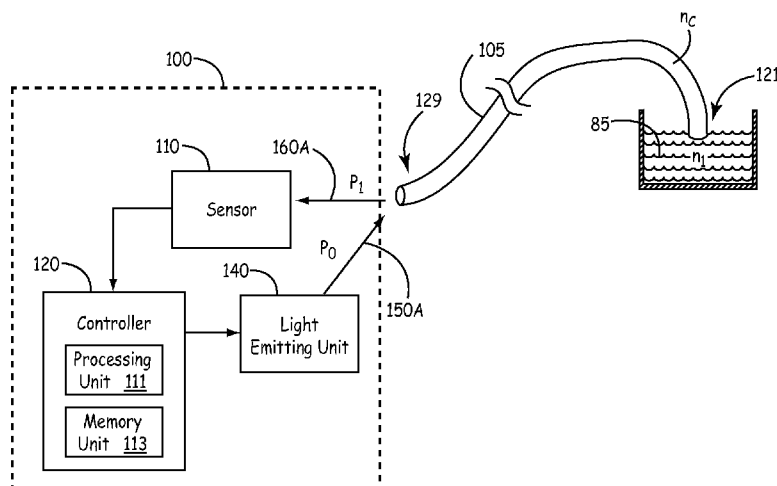
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(54) Title: EVALUATION OF OPTICAL FIBRE INTEGRITY

**FIG. 2A**

(57) **Abstract:** A method of evaluating the integrity of an optical fibre is provided. The method comprises: transmitting a measurement light beam through the optical fibre and measuring an intensity of a combined reflection of the measurement beam. The combined reflection includes a proximal end reflection component and a distal end reflection component. The method further comprises separating the proximal end reflection component from the combined reflection to obtain a calibrated intensity measurement; and analysing the calibrated intensity measurement to determine the integrity of the optical fibre.

INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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ADD.

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B. FIELDS SEARCHED

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	US 5 270 537 A (JACOBS RICHARD [US]) 14 December 1993 (1993-12-14) the whole document -----	1,6-9, 13-16, 19-21
X	EP 0 926 479 A1 (HEWLETT PACKARD CO [US]) AGILENT TECHNOLOGIES INC [US] 30 June 1999 (1999-06-30) abstract; figures paragraph [0001] - paragraph [0040] -----	1-4,6, 9-11,13, 16,17,19
X	FR 2 428 267 A1 (AUFFRET RENE [FR] AUFFRET RENE) 4 January 1980 (1980-01-04) the whole document ----- -/--	1,6,9, 13,16,19



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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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INTERNATIONAL SEARCH REPORT

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