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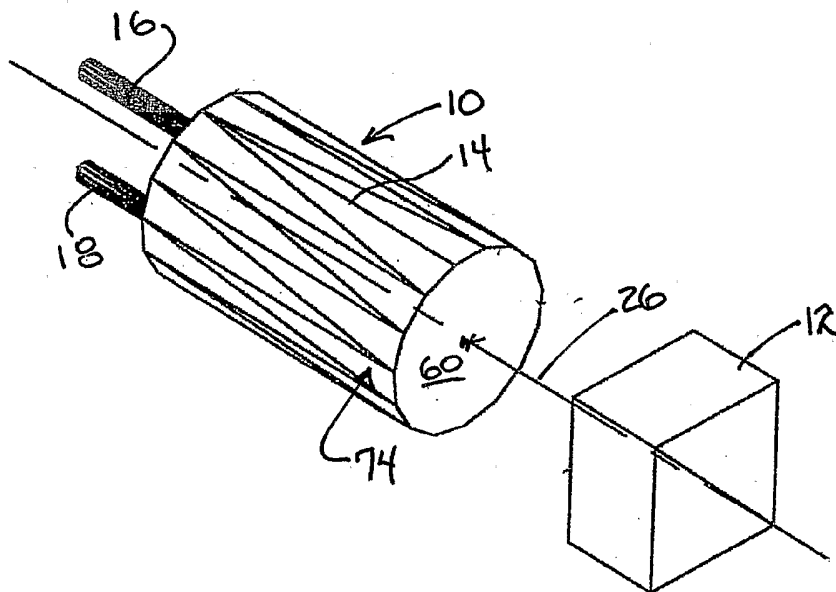
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[Continued on next page]

(54) Title: MINIMIZED CROSS-SECTION SENSOR PACKAGE



(57) Abstract: A proximity sensor (10) is carried within a small diameter package and includes a magnet (20) for providing a desirable magnetic field for operation of proximity sensing (32) circuitry carried along a central axis (26) to allow for a maximum sensor signal output with no change due to a relative rotation angle between the sensor and a target being monitored. Electrical contact pins (40, 42) include an offset positioned near the central axis for permitting a desirable small gauge insulated wire to be connected the sensor.



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## A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 324/174, 207.13, 207.2, 207.25, 244, 252, 260; 123/612, 617; 174/52.2

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)

U.S. : 324/174, 207.13, 207.2, 207.25, 244, 252, 260; 123/612, 617; 174/52.2

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched  
None

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
USPAT, JPO, EPO, DERWENT, IBM-TD

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5,998,988 A (DICKMEYER et al) 07 December 1999 (07.12.1999), see the entire document.	1-24
A	US 5,414,355 A (DAVIDSON et al) 09 May 1995 (09.05.1995), see the entire document.	1-24

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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