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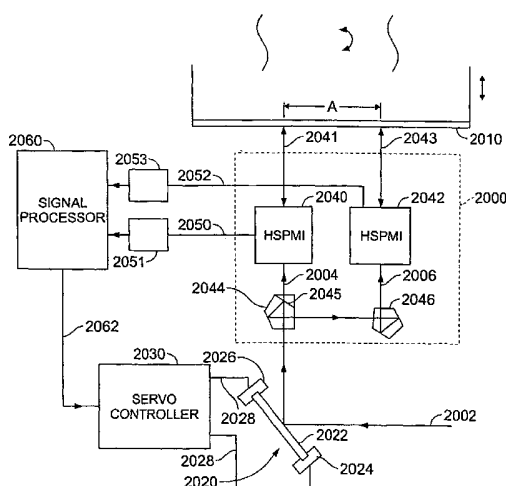
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(54) Title: INTERFEROMETRY SYSTEMS INVOLVING A DYNAMIC BEAM-STEERING ASSEMBLY



(57) Abstract: An apparatus including: a multi-axis interferometry system configured to receive an input beam and direct at least two beams derived from the input beam to contact different locations on a measurement object to monitor changes in an angular orientation of the measurement object; a beam steering assembly having a beam steering element positioned to direct the input beam into the interferometry system and a positioning system to selectively orient the beam steering element relative to the interferometry system; and a control circuit which during operation orients the beam steering element based on the changes in the angular orientation of the measurement object monitored by the interferometry system.

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INTERNATIONAL SEARCH REPORT

PCT/US 03/19340

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 G01B9/02 G03F7/20

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 G01B G03F

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, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 313 918 B1 (DE GROOT PETER ET AL) 6 November 2001 (2001-11-06) cited in the application	1-8, 18, 19, 23, 37, 40, 43, 46, 49-53
Y	column 60, line 53 - column 65, line 46; claims 55, 62, 89, 94	1-3, 9, 15, 18, 23, 29
Y	US 5 757 160 A (KREUZER JUSTIN) 26 May 1998 (1998-05-26) cited in the application abstract	1-3, 9, 15, 18, 23, 29
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Further documents are listed in the continuation of box C.

Patent family members are listed in annex.

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Date of the actual completion of the international search

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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.
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