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(71) Applicant (for all designated States except US): **HONEYWELL INTERNATIONAL INC.** [US/US]; 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07960 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **MARTINEZ, Steven, David** [US/US]; 501 Morning Sun Trail, Corrales, NM 87048 (US). **BLEVINS, William, Mark** [US/US]; 5312 Mountain Road N.E., Albuquerque, MN 87110 (US). **KABLER, John, Russell** [US/US]; 7405 Frieda Street

N.E., Albuquerque, NM 87109 (US). **RAKES, Lonny, Wayne** [US/US]; 2872 West Island Loop, Rio Rancho, NM 87124 (US). **SCHOESS, Jeffrey, Norman** [US/US]; 3421 50th Street N.E., Buffalo, MN 55313 (US).

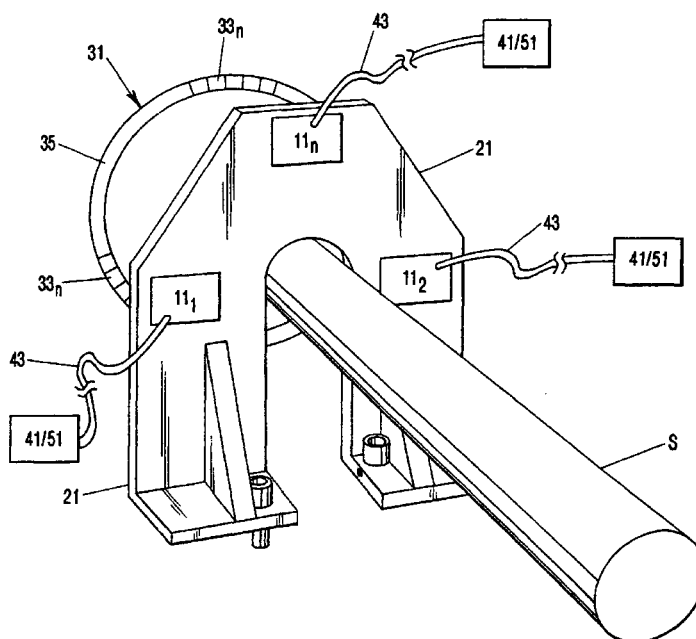
(74) Agents: **HOIRIIS, David et al.**; Honeywell International Inc., 101 Columbia Road, P.O. Box 2245, Morristown, NJ 07960 (US).

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(54) Title: METHOD AND SYSTEM FOR OPTICAL DISTANCE AND ANGLE MEASUREMENT



(57) Abstract: A contactless precision, optical distance and angle measurement method and system optically measuring the position of a moveable object (S), the bending of the object (S), the torque applied to the object (S) and the object's rotational velocity. The present invention includes a plurality of optical sensors (11₁, 11_n) placed around and adjacent to the moveable object (S) which transmit optical signals to a surface (35) of the object (S) and receives the optic signals when predefined marker means (33_n) are sensed. The received optic signals are then processed by non-linear estimation techniques known to those of skill in the art to obtain the desired information.

WO 01/50085 A1

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