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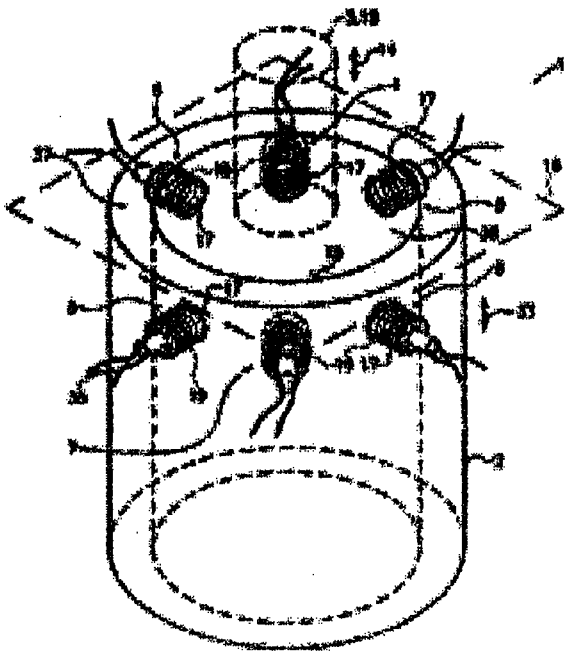
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(54) Title: MEASURING DEVICE FOR DETECTING A BODY MOVING IN RELATION TO A TUBULAR CONTAINER



(57) **Abstract**: The invention relates to a measuring device for detecting a body (3) moving in relation to an, in particular, tubular container (2). Said device comprises at least one magnet unit (4-9) which generates a magnetic field, measures this magnetic field and which is assigned to the container and/or to the magnetic body. The device also comprises at least one evaluation device connected to the magnet units and provided for receiving measurement signals of the magnet units. The aim of the invention is to improve a measuring device of this type in order to be able to easily determine, in addition to the position of the body (3) in relation to the container (2) in a longitudinal direction (33), the position of the body in relation to the container in the transverse direction with a relatively high level of accuracy. To this end, the magnet units comprise a maximum magnetic flux that is essentially perpendicular to the direction of the relative motion of the body and container.

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WO 01/86116 A1

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