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**Åkerblom et al.**

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(54) **METHOD AND ARRANGEMENT FOR MOUNTING A SENSOR DESIGNED FOR MEASURING THE DISTANCE BETWEEN STATOR AND ROTOR**

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See application file for complete search history.

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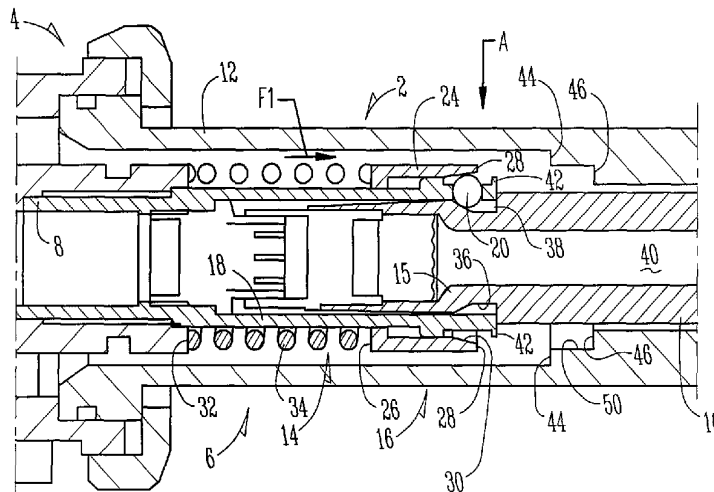
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(57) **ABSTRACT**

The invention relates to a sensor (6) for measuring the distance between a stator and a rotor, which sensor is of the magnetic type and has a sensor body (8) to which is attached a sensor tip (10). The tip of the sensor (10) is connected to the sensor body (8) by a fixing arrangement (14) that has a locking device (16) that interacts with engaging devices (24) and a spring arrangement (34). The locking device (16) is pressed towards an attaching position (A) by the action of a spring force F1 exerted by means of the spring arrangement (34) against the engaging device (24), fixing the sensor body (8) and the tip of the sensor (10) in relation to each other. By the application of a force F2 on the sensor body (8) that is greater than the spring force F1, it is possible to move the sensor body and the tip of the sensor to a releasing position (D), releasing them in relation to each other.

**14 Claims, 3 Drawing Sheets**



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