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(54) **ULTRASONIC DISTANCE-MEASURING SENSOR WITH GAP AND PARTITION BETWEEN VIBRATING SURFACES**

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(57) **ABSTRACT**

An ultrasonic distance-measuring sensor assembly and an ultrasonic distance-measuring sensor thereof are disclosed. The ultrasonic distance-measuring sensor includes at least two piezoelectric actuators and a member. The member includes a side wall, at least two vibration generating/receiving surfaces and a partition. The vibration generating/receiving surfaces accommodate the piezoelectric actuators as sources. The side wall surrounds the vibration generating/receiving surfaces. The partition is disposed between the vibration generating/receiving surfaces and includes a slot. The slot is disposed between the vibration sending/receiving surfaces.

10 Claims, 6 Drawing Sheets

