

(12) **United States Patent**
Reiche

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(54) **ULTRASONIC SENSOR HAVING A COVER INCLUDING A DAMPING ELEMENT**

(56) **References Cited**

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(57) **ABSTRACT**

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(58) **Field of Classification Search** 310/348,
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An ultrasonic sensor, in particular for a vehicle, including a housing, includes the following: a transducer element which is attached to the bottom of the housing for generating ultrasonic oscillations; a first damping element situated in the housing for damping oscillations of the bottom; and a cover for sealing the housing, the cover being provided with a second damping element and having continuous tapering of the cover thickness in the region of the second damping element.

See application file for complete search history.

11 Claims, 3 Drawing Sheets

