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## Onkyo Corporation Announces Patent Grant for Traffic Volume Measurement Technology Using Vibration

-Drastically Improved Vehicle Detection Accuracy Through AI Analysis and High-Sensitivity Vibration Sensors-

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Onkyo Corporation (Head office: Chuo-ku, Osaka-shi, Osaka, Japan, President: Munenori Otsuki, hereinafter referred to "Onkyo") announces that it has been granted a patent (Japanese Patent No. 7839383) for "Mobile object detection system and mobile object detection method" which is the invention relating to the traffic volume survey as of March 25, 2026.

Onkyo has applied its technologies to various fields since its predecessor company's founding in 1946, centering on acoustic and vibration technologies cultivated through home audio product development. One such product is the traffic volume measurement device "Ototorukun," which combines a high-sensitivity vibration sensor with AI-based analysis. It can measure the types and number of passing vehicles with high accuracy, achieving approximately 95% accuracy.

### Summary of the invention

The invention covered by this patent reduces false detections that tend to occur during AI-based vehicle detection, particularly when long vehicles pass by, thereby improving overall detection accuracy. This technology is expected to enhance data reliability in traffic volume surveys.

Title of the invention: Mobile object detection system and mobile object detection method

Patent holder: Onkyo Corporation

Application date: January 8, 2022

Application number: JP 2022-001969

Registration date: March 25, 2026

Patent number: Japanese Patent No. 7839383

Onkyo will continue to promote research and development, actively pursue patent applications for its inventions, and expand its intellectual property portfolio.

**Related link**

Traffic volume measurement device: <https://www.onkyo.net/en/ototorukun>

**Onkyo's business**

Under its slogan "Change the world with sound", Onkyo conducts the R&D business as well as the marketing business.

In R&D business, based on "sound" and "vibration" technology that have been developed in R&D of Onkyo brand audio products and speakers, Onkyo is performing R&D in fields of medical treatment, food, industry and infrastructure and providing R&D achievements to our customers.

In the marketing business, Onkyo is planning and selling collaboration products with animations, VTubers and the like and operating stores and EC sites.

Onkyo conducts integrated marketing activities across its R&D and marketing divisions to enhance brand recognition. Please expect our business development in the future.

**Contact information**

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Intellectual property and legal, R&D, Onkyo corporation