INTELLECTUAL PROPERTY INDIA

ORIGINAL

क्रम सं/ Serial No. : 233703

पेटेंट कार्यालय, भारत सरकार The Patent Office, Government Of India

डिजाइन के पंजीकरण का प्रमाण पत्र | Certificate of Registration of Design

डिजाइन सं. / Design No. : 493868-001

तारीख / Date : 07/03/2026

पारस्परिकता तारीख / Reciprocity Date* :

देश / Country :

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो *SMART SOUND METER* से संबंधित है, का पंजीकरण, श्रेणी 14-01 में 1.Seema Ravindra Baji 2. Monita Nitin Jadhav 3.Shweta Dnyaneshwar Bagade 4.Shoyeb Karim Pathan 5.Sameena Wakeel Ansari 6.Swapnil Subhash Mergal 7.Sumedh Sanjay Suryawanshi 8.Dr. Sangita Vilas Pawar के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class 14-01 in respect of the application of such design to *SMART SOUND METER* in the name of 1.Seema Ravindra Baji 2. Monita Nitin Jadhav 3.Shweta Dnyaneshwar Bagade 4.Shoyeb Karim Pathan 5.Sameena Wakeel Ansari 6.Swapnil Subhash Mergal 7.Sumedh Sanjay Suryawanshi 8.Dr. Sangita Vilas Pawar.

डिजाइन अधिनियम, 2000 तथा डिजाइन नियम, 2001 के अध्यधीन प्रावधानों के अनुसरण में।

In pursuance of and subject to the provisions of the Designs Act, 2000 and the Designs Rules, 2001.

जारी करने की तिथि : 20/05/2026
Date of Issue :

महानियंत्रक पेटेंट, डिजाइन और व्यापार चिह्न
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*पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति दी गई है तथा देश का नाम। डिजाइन का स्वत्वाधिकार पंजीकरण की तारीख से दस वर्षों के लिए होगा जिसका विस्तार, अधिनियम एवं नियम के निबंधनों के अधीन, पाँच वर्षों की अतिरिक्त अवधि के लिए किया जा सकेगा। इस प्रमाण पत्र का उपयोग विधिक कार्यवाहियों अथवा विदेश में पंजीकरण प्राप्त करने के लिए नहीं हो सकता है।

The reciprocity date (if any) which has been allowed and the name of the country. Copyright in the design will subsist for ten years from the date of Registration, and may under the terms of the Act and Rules, be extended for a further period of five years. This Certificate is not for use in legal proceedings or for obtaining registration abroad.

DESIGN REGISTRATION

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(PLEASE TYPE OR PRINT LEGIBLY)

Full name	1.Seema Ravindra Baji 2.Monita Nitin Jadhav 3.Shweta Dnyaneshwar Bagade 4.Shoyeb Karim Pathan 5.Sameena Wakeel Ansari 6.Swapnil Subhash Mergal 7.Sumedh Sanjay Suryawanshi 8.Dr.Sangita Vilas Pawar
Name	**Smart Sound Meter**
Description	**Description: -** The Smart Sound Meter is a compact, handheld digital device designed to measure and analyze sound intensity using advanced Artificial Intelligence algorithms. It captures real-time noise data through a sensitive microphone sensor and processes it instantly to display accurate decibel (dB) readings. The device can store historical data, detect abnormal noise patterns, and provide smart alerts when sound exceeds safe limits. It is suitable for homes, offices, hospitals, industries, construction sites, and public places. With its rechargeable battery, digital display, and wireless connectivity, the instrument ensures easy portability, reliable monitoring, and improved noise management for health and environmental safety. **Purpose:** • To measure and analyze environmental noise levels accurately in real time. •To help maintain safe and permissible sound levels in residential, industrial, and public areas. • To provide AI-based insights and alerts for noise control and compliance monitoring . **Functionality:** • **Microphone Sensor** – Detects surrounding sound waves and converts them into electrical signals. • **AI Processing Unit** – Analyzes sound data, filters background noise, and identifies abnormal patterns. • **Digital Display Screen** – Shows real-time sound levels in decibels and warning indicators. • **Rechargeable Battery** – Provides portable power supply for continuous operation. • **Memory Storage Module** – Stores recorded sound data for future analysis. • **Wireless Communication Module (Bluetooth/Wi-Fi)** – Transfers data to mobile or computer applications.

	• **Alert System (Buzzer/LED Indicator)** – Notifies users when sound exceeds preset safe limits. • **Control Buttons/Touch Panel** – Allows users to operate, set limits, and manage functions. • **Protective Casing** – Ensures durability and safe handling of the device. **Advantages:** • Provides accurate real-time sound measurement. • AI-based smart noise pattern detection. • Portable and easy to use. • Data storage for record keeping and analysis. • Wireless connectivity for remote monitoring. • Helps maintain legal noise compliance. • Improves health and environmental safety. • Suitable for multiple locations and applications.

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