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DEPARTMENT OF
SCIENCE & TECHNOLOGY
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TECHNOLOGY
ENABLING
CENTRE
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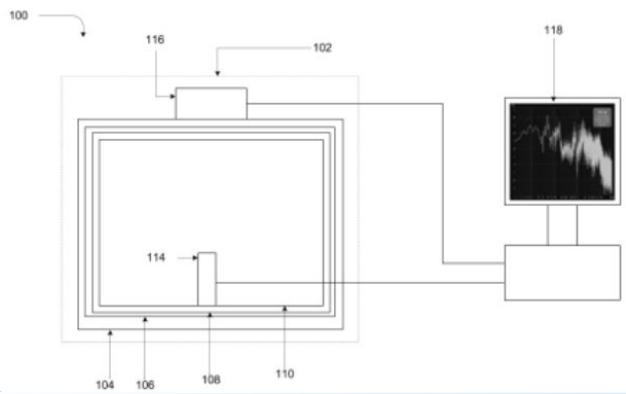
PENDING

(IN202311057503)
Low-cost acoustic booth



NEED

Excessive noise and vibrations in industrial settings can lead to safety risks, health issues, and decreased productivity. Effective noise control and vibration isolation are crucial for creating safe working environments.

MARKET ANALYSIS

The global noise control market is projected to grow at a CAGR of 7.2%, reaching $27.4 billion by 2033 (source: Global Market Insights, 2023). This growth is driven by industrial noise pollution and regulatory standards for soundproofing.

TECHNOLOGY OVERVIEW

The patent describes a method for creating an acoustic cabin with multiple layers of material for effective sound and vibration reduction. The cabin is sealed and tested for optimal noise and vibration control, ensuring a quieter, safer workspace.

Target Industries

Industrial manufacturing, automotive, construction. , Noise control solution providers, manufacturers of machinery and equipment, construction firms focusing on soundproofing, automotive industries needing interior noise reduction.

TECHNOLOGY KEY FEATURES

Multi-layered design, composite layer damping, active noise cancellation, noise and vibration attenuation, customizable layers, sealing mechanisms, specific material dimensions, improved worker safety.

AT A GLANCE

- SDG 3 (Good Health and Well-Being), SDG 9 (Industry, Innovation, and Infrastructure), SDG 12 (Responsible Consumption and Production)

Read more here

Technology is available for licensing/ co-development.

Reach out to Prof. Deepak Chitkara, Coordinator, BITS Technology Enabling Centre,
BITS Pilani Contact Details: tec.bits@pilani.bits-pilani.ac.in, 91 1596-255913

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