

S. No.	Title of the Copyright	Authors	Granted / Published	National/ International
1.	System of Sustainable Investment Models Integrating Business Law for Green Finance <a href="https://patents.google.com/patent/Z_A202404715B/en?q=(murugesan+selvam)&amp;oq=murugesan+selvam">https://patents.google.com/patent/Z_A202404715B/en?q=(murugesan+selvam)&amp;oq=murugesan+selvam</a> <b>Patent No: ZA202305497B</b>	<b>PROF.DR. GOWRI RAMESH</b> <b>DR.S.RAJALAKSHMI</b> <b>E.RAMYA</b> <b>DR.M.SELVAM</b>	Granted and Published	International (South Africa- Patent)

REPUBLIC OF SOUTH AFRICA



REPUBLIEK VAN SUID AFRIKA

PATENTS ACT, 1978

# CERTIFICATE

In accordance with section 44 (1) of the Patents Act, No. 57 of 1978, it is hereby certified that:

**PROF.DR. GOWRI RAMESH; DR.S.RAJALAKSHMI; E.RAMYA; DR.M.SELVAM**

Has been granted a patent in respect of an invention described and claimed in complete specification deposited at the Patent Office under the number

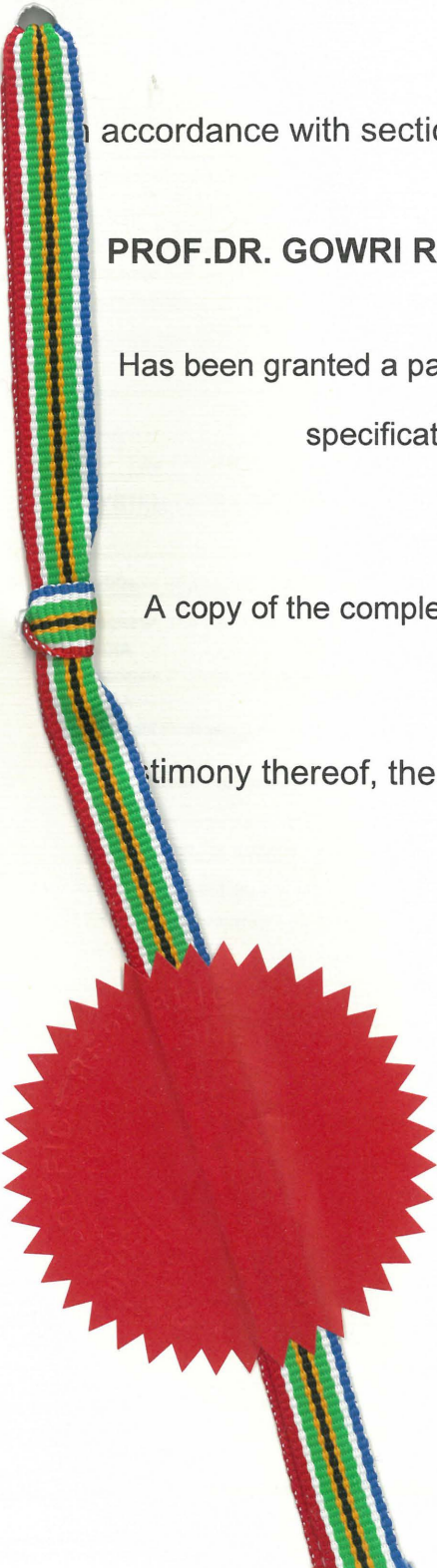
**2024/09976**

A copy of the complete specification is annexed, together with the relevant Form P2.

In testimony thereof, the seal of the Patent Office has been affixed at Pretoria with effect from the 30<sup>th</sup> day of July 2025

A handwritten signature in black ink, appearing to be 'S. D. A.', written over a horizontal dotted line.

Registrar of Patents



# PATENT JOURNAL

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JULY 2025

VOL 58 • No. 07



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## Part II of II

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ISSN 2223-4837

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**VOL. 58 No. 07**

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The Patents Act, 1978

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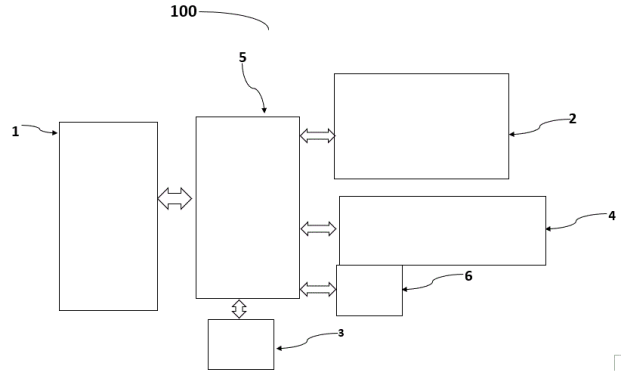
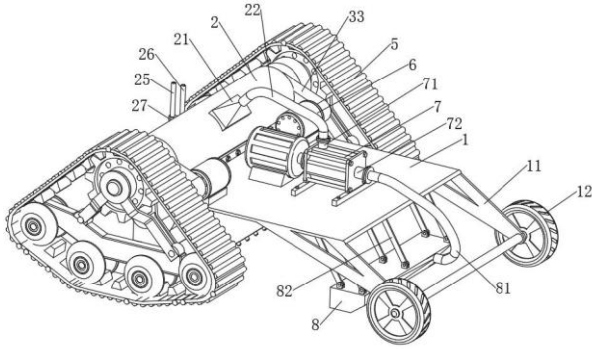
The Trade Marks Act, 1963

The Trade Marks Act, 1993

The Registration of Copyright in Cinematograph Films Act, 1977

**Registrar of Patents, Trade Marks, Designs and Copyright**

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21: 2024/09976. 22: 2024/12/23. 43: 2025/07/09  
 51: G06Q  
 71: Prof.Dr. Gowri Ramesh, Dr.S.Rajalakshmi,  
 E.Ramya, Dr.M.Selvam  
 72: Prof.Dr. Gowri Ramesh, Dr.S.Rajalakshmi,  
 E.Ramya, Dr.M.Selvam  
**54: SYSTEM OF SUSTAINABLE INVESTMENT  
 MODELS INTEGRATING BUSINESS LAW FOR  
 GREEN FINANCE**  
 00: -

The present invention relates to a Green Investment Regulatory Engine (GIRE), a system designed to facilitate and regulate sustainable investments by integrating business law, green finance, and advanced technologies such as blockchain, artificial intelligence (AI), and the Internet of Things (IoT). The system features modules for secure transaction recording, automated regulatory compliance checks, management of green financial instruments, real-time monitoring of projects, data analysis, and stakeholder collaboration. It ensures legal compliance, enhances transparency, and optimizes investment processes, addressing challenges such as regulatory complexity and inefficient monitoring. By leveraging AI and blockchain, the system automates compliance checks, tracks investment impact, and certifies sustainability goals. The GIRE is tailored for complex regulatory landscapes, particularly in India, and supports global sustainability objectives, fostering investor confidence and promoting economic growth. This invention offers a scalable, legally compliant platform to drive impactful investments in green projects, aligning with international sustainability standards.

21: 2024/09977. 22: 2024/12/23. 43: 2025/07/02  
 51: E04H  
 71: Jiangsu College of Safety Technology  
 72: Zhu Lu  
 33: CN 31: 202410766490X 32: 2024-06-14  
**54: AN ISOLATION NOISE REDUCTION DEVICE  
 FOR CONSTRUCTION PROJECT MANAGEMENT**  
 00: -

The present invention relates to the field of construction technology and discloses an isolation noise reduction device for construction project management. The device includes a support device, with a support column fixedly connected to the top of the support device. A noise reduction partition is fixedly connected to the top of the support column. A threaded drill rod is positioned at the center of the support device, and a control device is located on the side of the support device. A fixing frame is set on the top of the support device and is movably connected with both the support device and the noise reduction partition at the top. The control device enhances the stability of the connection between the noise reduction partition and the support device, allowing for faster assembly and disassembly during use. The noise reduction partition divides noise into multiple parts, absorbing it in layers and thereby improving the noise reduction effect. The device is simple in structure, cost-effective, and enhances practical applicability.