

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202431090712 A

(19) INDIA

(22) Date of filing of Application :21/11/2024

(43) Publication Date : 13/12/2024

(54) Title of the invention : "Deployment of Aqua Secure Transporter: An Advanced System for Safe and Efficient Water Transportation"

(51) International classification :A01K0063040000, A01K0063020000, A01K0063000000, A01K0063060000, A01K0061000000

(86) International Application No Filing Date :NA :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number Filing Date :NA :NA

(62) Divisional to Application Number Filing Date :NA :NA

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(57) Abstract :
 A portable fish transportation system is disclosed, designed to minimize mortality and stress during the transit of live fish. The system integrates advanced real-time monitoring and automated control mechanisms to maintain optimal water quality, including pH, temperature, and oxygen levels. Key features include a submersible pump for water circulation, a floating switch for water level control, an air supplier for continuous oxygenation, and an automatic food feeder for long-duration transport. The tank is constructed with shock-absorbing materials to prevent physical damage and includes a lighting system for enhanced monitoring in low-light conditions. This invention ensures the health and well-being of fish during transportation, supporting sustainable aquaculture practices, conservation efforts, and efficient commercial operations.

No. of Pages : 9 No. of Claims : 10