



ORIGINAL

मूल/No : 119511



भारत सरकार
GOVERNMENT OF INDIA
पेटेंट कार्यालय
THE PATENT OFFICE

डिजाइन के पंजीकरण का प्रमाणपत्र
CERTIFICATE OF REGISTRATION OF DESIGN

डिजाइन सं. / Design No.	:	326439-001
तारीख / Date	:	24/01/2020
पारस्परिकता तारीख / Reciprocity Date*	:	
देश / Country	:	

प्रमाणित किया जाता है कि संलग्न प्रति में वर्णित डिजाइन जो **FLOATING MECHANICAL WAVE ENERGY CONVERTER** से संबंधित है, का पंजीकरण, श्रेणी **13-03** में Indian Institute Of Technology Madras (Iit Madras) के नाम में उपर्युक्त संख्या और तारीख में कर लिया गया है।

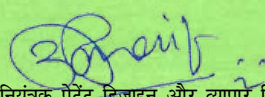
Certified that the design of which a copy is annexed hereto has been registered as of the number and date given above in class **13-03** in respect of the application of such design to **FLOATING MECHANICAL WAVE ENERGY CONVERTER** in the name of Indian Institute Of Technology Madras (Iit Madras).

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

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

INTELLECTUAL
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निर्गमन की तारीख/Date of Issue : 07/12/2022


महानियंत्रक पेटेंट डिजाइन और व्यापार चिह्न
Controller General of Patents, Designs and Trade Marks

पारस्परिकता तारीख (यदि कोई हो) जिसकी अनुमति देश के नाम पर की गई है। डिजाइन का सत्त्वाधिकार 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.



IIT MADRAS

Indian Institute of Technology Madras

Technology Transfer Office
TTO - IPM Cell



Industrial Consultancy & Sponsored Research (IC&SR)

FLOATING MECHANICAL WAVE ENERGY CONVERTER IITM Technology Available for Licensing

Intellectual Property (Design)

IITM IDF Ref. 1996;
Design No: 326439-001 (Granted);
Class- 13-03

Technology/IP Category/ Market

Design: Floating mechanical wave energy converter;

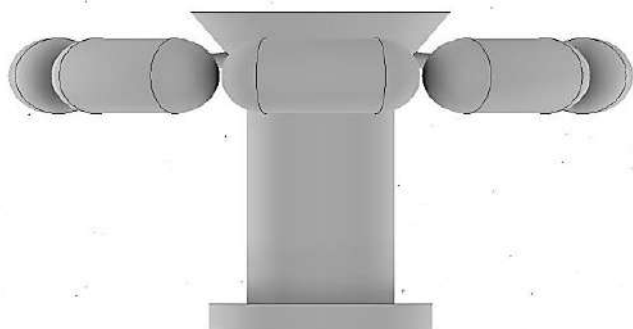
Industry: Electricals Machines;

Applications: Green Energy Production;

Market: The global wave energy converter market is projected to reach **\$35.2M by 2033**, growing at a CAGR of **4.92%** during the forecast period (2024-2033).

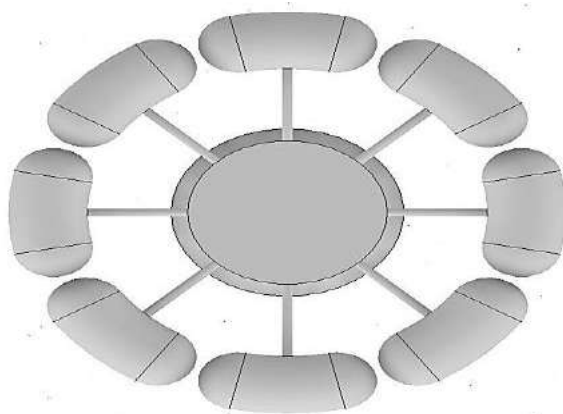
Design

- Present Design describes the bean shaped of **floating mechanical wave energy converter**. The purpose of the converter is to produce electricity irrespective of ocean wave direction. The device originates from a floating system. The process used for conversion is mechanical, & hence named as Mechanical wave energy converter. Further, different symmetrical views of **floating mechanical wave energy converter** is illustrated hereinbelow.

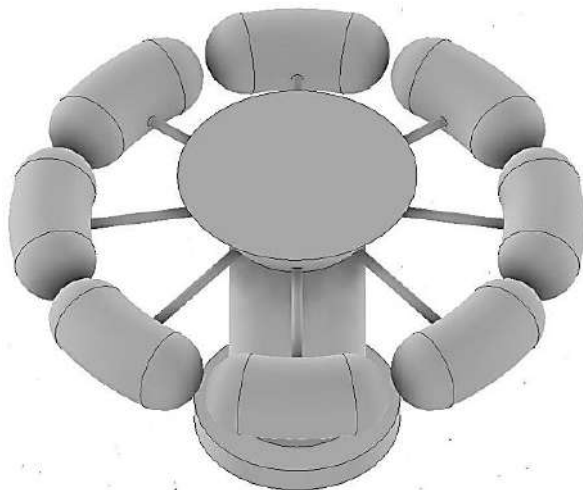


FRONT VIEW

Images



BOTTOM VIEW



PERSPECTIVE VIEW

TRL (Technology Readiness Level)

TRL-4, Proof of Concept ready, tested & validated in lab;

Research Lab

Prof. Srinivasan Chandrasekaran,
VVS Sri Charan, Dept of Ocean
Engineering

CONTACT US

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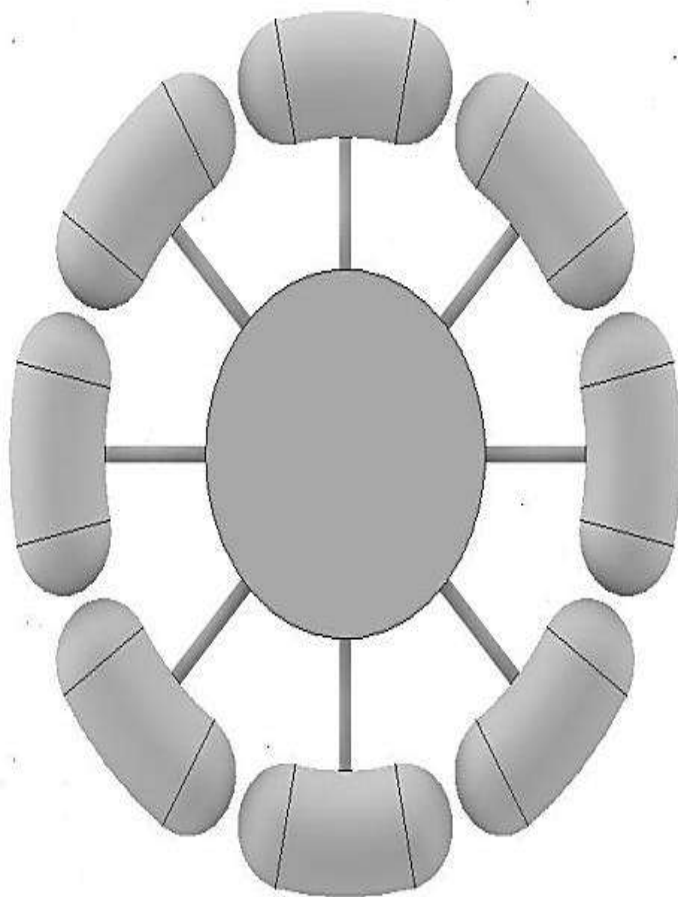
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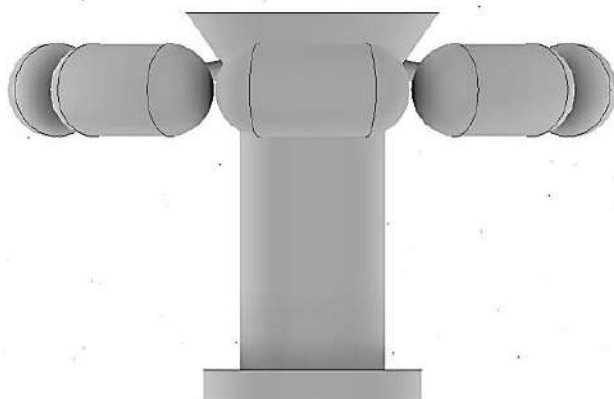
Design

- Moreover, top view, left side view, right side view and back side view of the wave energy converter are shown hereinbelow.

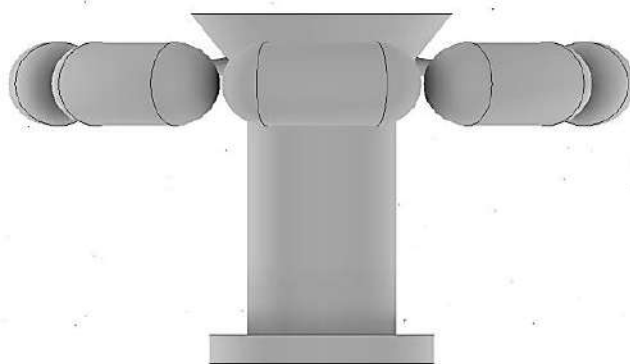


TOP VIEW

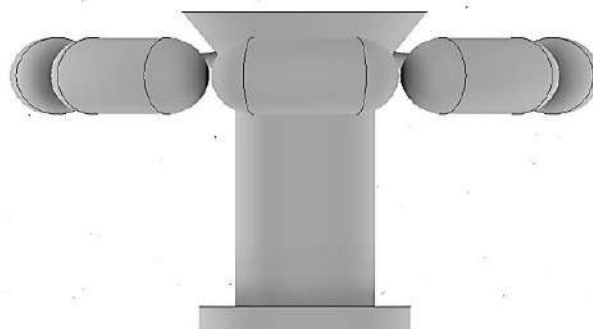
Additional Images



LEFT SIDE VIEW



RIGHT SIDE VIEW



BACK SIDE VIEW

CONTACT US

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