



IIT MADRAS

Indian Institute of Technology Madras

Technology Transfer Office
TTO - IPM Cell



Industrial Consultancy & Sponsored Research (IC&SR)

TWO-STAGE GREY WATER REACTOR SET FOR DISTILLATION AND WATER SPLITTING PROCESS

IITM Technology Available for Licensing

Intellectual Property (Design)

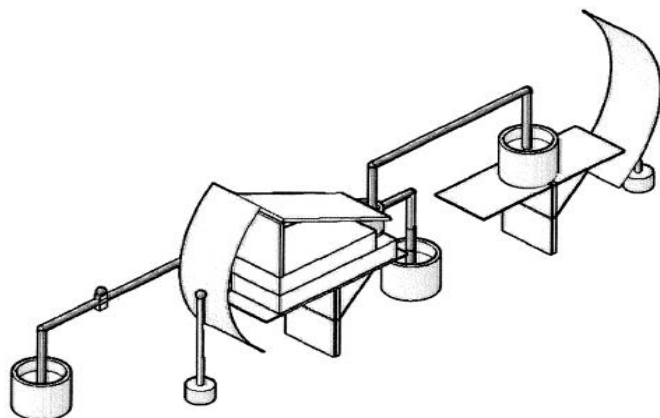
IITM IDF Ref. 2018;
Design No: 336817-001 (Granted);
Class- 15-99

Technology/IP Category/ Market

Design: Two-stage grey water reactor set;
Industry: Environment Engineering, Energy/Infrastructure, Manufacturing;
Applications: Clean Energy, Waste management, water treatment, advanced material;
Market: The global **grey water recycle & reuse** market is projected to reach **\$13.58B by 2026**, growing at a CAGR of **13.65%** during the forecast period (2022-2026).

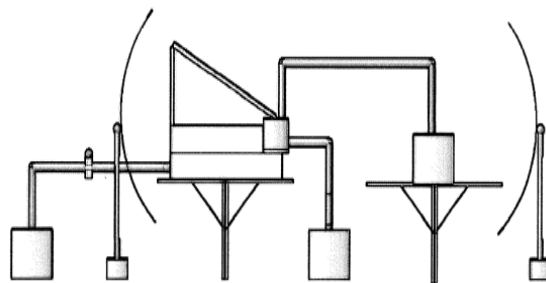
Design

- Present Design describes **Two-stage grey water reactor set**. Further, the said two stage grey water reactor set is used for **distillation and water splitting process**. The different shape & different view of the two-stage grey water reactor set is illustrated hereinbelow.

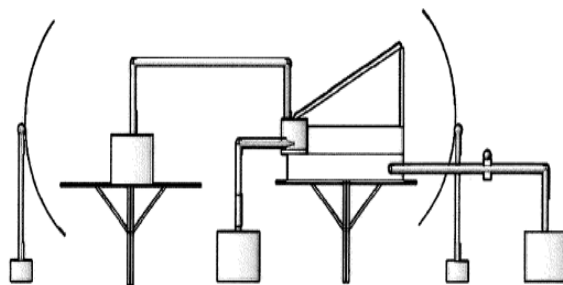


PERSPECTIVE VIEW

Images



FRONT VIEW



REAR VIEW

TRL (Technology Readiness Level)

TRL-2, Proof of Concept ready & validated;

Research Lab

Prof. Tiju Thomas,
Dept of Metallurgical and Materials Engineering

CONTACT US

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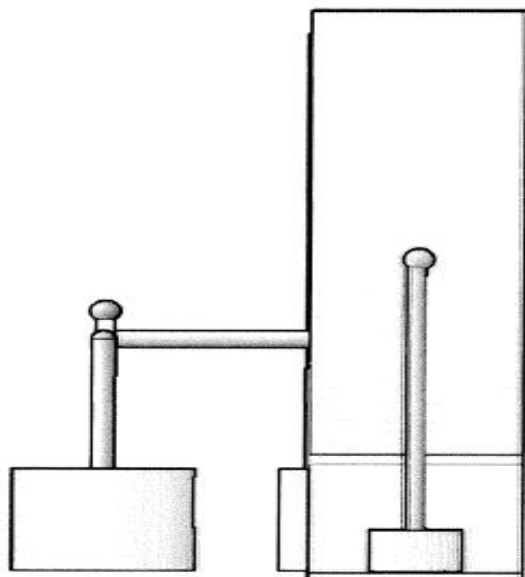


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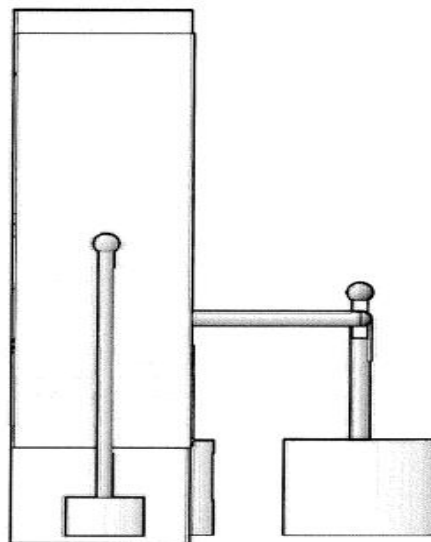
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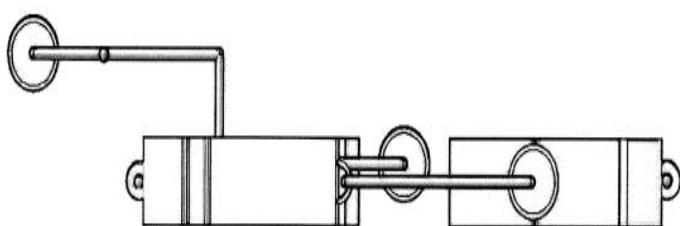
Additional Images



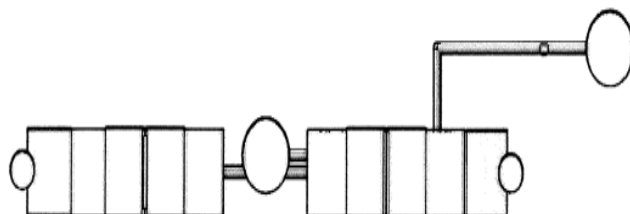
LEFT VIEW



RIGHT VIEW



TOP VIEW



BOTTOM VIEW

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