

ÜSİMP ULUSAL PATENT FUARI '23

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A SYSTEM WHICH GENERATES ELECTRICITY BY USING HUMIDITY IN AIR

- Sektör: Enerji
- Fikri Hak Koruma Durumu: Patent Tescil Edildi
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- Koruma İstenen Ülkeler: Türkiye, Avrupa, PCT Ülkeleri

ÖZET

The invention consists of a tank for storing a high solubility liquid and a tank for storing a low solubility liquid. Liquid flow is achieved through the principle of osmotic pressure resulting from the density difference between the low solubility liquid and the high solubility liquid. It is an electricity generation system that allows the passage of solute from the tank with low solute liquid to the tank with high solubility liquid, thanks to a selectively permeable membrane, and provides electricity to be produced by the movement that occurs as a result of increasing the flow rate of the high-soluble liquid.

TANITIM

The advantage is that it is an electricity generation system that can operate without the need for external low solubility liquid and high solubility liquid supplements. The second advantage is that it is an energy generation system with reduced location dependence based on the principle of osmosis.



Beklenti

Joint Product, Investment, Sale, Licence

Teknoloji Hazırlık Seviyesi

TRL 5