

Title (en)
PROCESS FOR GENERATING ELECTRICITY

Title (de)
SYSTEM ZUM ERZEUGEN VON ELEKTRIZITÄT

Title (fr)
PROCÉDÉ DE PRODUCTION D'ÉLECTRICITÉ

Publication
EP 3443265 A2 20190220 (EN)

Application
EP 17765247 A 20170413

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Abstract (en)
[origin: WO2017179004A2] According to the present invention there is provided an electricity generating process, a water purification process and a combustion process utilizing a gas-liquid interface, in a pressurized reactor, the process including the steps consisting of preparing the reactor for continuous reaction, through an initial pressurization step to establish a pressure of between 10 to 30 Bar inside the reactor and introducing a source of water containing a source of carbon into the reactor and providing an activator for conditioning the reactor to achieve optimal conditions inside the reactor to enable the source of water containing carbon to reach boiling point. The process further includes the introduction of a source of oxygen at pressure and temperature to enable exothermic combustion to occur and further provides for a continuous source of water containing carbon and a source of oxygen to enable continuous exothermic combustion to occur and lastly utilizing both the flue gas and steam in a means for generating electricity or purifying water.

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