Title (en)

SELF-COOLING MONO-CONTAINER FUEL CELL GENERATORS AND POWER PLANTS USING AN ARRAY OF SUCH GENERATORS

Title (de)

BRENNSTOFFZELLENGENERATOREN ANGEORDNET IN SELBSTKÜHLEN MONOBEHÄLTER UND KRAFTWERKEN DIE EINE REIHE VON SOLCHEN GENERATOREN VERWENDEN

Title (fr)

GENERATEURS DE PILES A COMBUSTIBLE A RECEPTACLE UNIQUE ET A REFROIDISSEMENT INTEGRE, ET CENTRALES ELECTRIQUES UTILISANT UN ENSEMBLE DE CE TYPE DE GENERATEURS

Publication

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Application

EP 96945667 A 19961226

Priority

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- US 9620749 W 19961226

Abstract (en)

[origin: WO9829917A1] A mono-container fuel cell generator (10) contains a layer of interior insulation (14), a layer of exterior insulation (16) and a single housing (20) between the insulation layers, where fuel cells, containing electrodes and electrolyte, are surrounded by the interior insulation (14) in the interior (12) of the generator, and the generator is capable of operating at temperatures over about 650 DEG C, where the combination of interior and exterior insulation layers have the ability to control the temperature in the housing (20) below the degradation temperature of the housing material. The housing can also contain integral cooling ducts, and a plurality of these generators can be positioned next to each other to provide a power block array with interior cooling.

IPC 1-7

H01M 8/24; H01M 8/02

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