Title (en)

METHOD AND APPARATUS FOR ALKALI-HYDROGEN FUSION POWER GENERATION.

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ENERGIEERZEUGUNG DURCH ALKALI-WASSERSTOFF KERNFUSION.

Title (fr)

PROCEDE ET APPAREIL DE GENERATION DE PUISSANCE PAR FUSION D'ALCALI ET D'HYDROGENE.

Publication

EP 0658268 A4 19950207 (EN)

Application

EP 93907000 A 19930217

Priority

- US 9301615 W 19930217
- US 84046592 A 19920224

Abstract (en)

[origin: WO9317437A1] An electrolyte (40) consisting of an aqueous solution of a soluble compound of thallium or any of the alkali type elements (hydrogen, deuterium, tritium, lithium, sodium, potassium, rubidium, cesium, francium), in contact with an annular porous cathode (100) of a sinter-bonded mixture of nickel powder and nickel fibers for catalysis of nuclear fusion ractions between hydrogen nuclei from ordinary water and nuclei of the alkali type elements in the soluble compound whereby thermal power generation by the Fleischmann-Pons cold fusion process is improved. In a preferred embodiment the electrolyte consists of a solution of sodium carbonate in ordinary water and the cold fusion TRINT process converts the sodium into magnesium by reducing the total number of hydrogen atoms in the water and producing a corresponding quantity of molecular oxygen.

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G21B 1/00

IPC 8 full level

G21B 3/00 (2006.01)

CPC (source: EP)

C25B 9/00 (2013.01); **G21B 3/00** (2013.01); Y02E 30/10 (2013.01)

Citation (search report)

- [Y] WO 9102360 A1 19910221 - SCHOESSOW GLEN J [US]
- [A] US 4177329 A 19791204 - BOWDEN WILLIAM L [US], et al
- [Y] PATENT ABSTRACTS OF JAPAN vol. 7, no. 43 (C - 152) 19 February 1983 (1983-02-19)
- [DY] R. BUSH: "Cold "Fusion": the transmission resonance model fits data on excess heat, predicts optimal trigger points, and suggests nuclear reaction scenarios", FUSION TECHNOLOGY., vol. 19, March 1991 (1991-03-01), LAGRANGE PARK, ILLINOIS US, pages 313 - 356
- [A] PATENT ABSTRACTS OF JAPAN vol. 14, no. 446 (C - 763) 25 September 1990 (1990-09-25)
- [A] MATSUMOTO ET AL.: "Observation of heavy elements produced during explosive cold fusion", FUSION TECHNOLOGY., vol. 20, no. 2, November 1991 (1991-11-01), LAGRANGE PARK, ILLINOIS US, pages 323 - 329, XP000232540
- See references of WO 9317437A1

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