

Title (en)

POWER CONVERTER ARCHITECTURE AND METHOD FOR INTEGRATED FUEL CELL BASED POWER SUPPLIES

Title (de)

STROMWANDLERARCHITEKTUR UND VERFAHREN FÜR INTEGRIERTE STROMVERSORGUNGEN AUF BRENNSTOFFZELLENBASIS

Title (fr)

ARCHITECTURE ET PROCEDE A CONVERTISSEUR D'ENERGIE POUR FOURNITURE D'ENERGIE A PARTIR DE PILES A COMBUSTIBLE INTEGREES

Publication

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Application

EP 04729800 A 20040428

Priority

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- US 65487203 A 20030904

Abstract (en)

[origin: WO2004098035A1] A fuel cell based power supply comprises a main power converter and control that allows the fuel cell stack to be electrically shorted from time-to-time to improve performance. Additionally, the power converter may temporarily disconnect the fuel cell stack from the load after shorting, allowing the fuel cell stack to return to an open circuit voltage, and/or provide current limiting during a period after shorting to provide stable operation while the fuel cell stack powers the load and recharges a power storage device.

IPC 1-7

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IPC 8 full level

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Citation (search report)

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