Title (en)

METHOD AND APPARATUS FOR THE DISCONNECTION OF A FUEL CELL

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ABSCHALTEN EINER BRENNSTOFFZELLE

Title (fr)

PROCÉDÉ ET DISPOSITIF DE MISE À L'ARRÊT D'UNE PILE À COMBUSTIBLE

Publication

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Application

EP 09723632 A 20090223

Priority

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Abstract (en)

[origin: WO2009117749A1] The invention relates to a method for the disconnection of a fuel cell (1) with a plurality of cells (11) connected in series, wherein at least two reaction gases are supplied during operation, and the supply of at least one reaction gas is interrupted after operation, and the reaction gas remaining at least in one of the cells (11) is consumed by the current generated by the reaction gases in the cell (11) being dissipated via at least one consumer (13), and to an apparatus for implementing the method. For the complete and controlled consumption of the reaction gases remaining in the individual cells (11), the invention provides that at least one consumer (13) is connected via at least one switching element (14) per cell (11) to each cell (11), with the result that the consumer (13) forms a dedicated circuit with each cell (11), and that at least one reaction gas of each individual cell (11) is completely consumed by the current generated by the reaction gases in the cell (11) being dissipated via the at least one consumer (13) connected to the cell (11).

IPC 8 full level

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