

Title (en)
FUEL CELL INSTALLATION

Title (de)
BRENNSTOFFZELLENANLAGE

Title (fr)
INSTALLATION DE CELLULES ELECTROCHIMIQUES

Publication
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Application
EP 00987024 A 20001025

Priority
• DE 0003767 W 20001025
• DE 19953614 A 19991108

Abstract (en)
[origin: DE19953614A1] When a fuel cell installation (41) is switched off, there is danger that residual oxygen remains in the fuel cells of the fuel cell installation (41). Said residual oxygen results in undesired oxidations that considerably limit the output and life-time of the fuel cell installation (41). The aim of the invention is therefore to make sure that enough hydrogen remains in the fuel cells to bring the entire oxygen within the fuel cells to an electrochemical reaction when the fuel cell installation is switched off. To this end, the invention provides a fuel cell installation (41) in which the anode gas chamber (7b, 51) adjoining the anodes (3a, 23a, 44a) of the fuel cells is at least twice as big as the cathode gas chamber (7b, 51b) adjoining the cathodes (3b, 23b, 44b) of the fuel cells.

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