

Title (en)

METHOD FOR CONTROLLING THE METHANOL CONCENTRATION IN DIRECT METHANOL FUEL CELLS

Title (de)

VERFAHREN ZUR REGELUNG DER METHANOLKONZENTRATION IN DIREKT-METHANOL-BRENNSTOFFZELLEN

Title (fr)

PROCEDE DE REGULATION DE LA CONCENTRATION EN METHANOL DANS DES PILES A COMBUSTIBLE DIRECTES AU METHANOL

Publication

EP 1412999 A2 20040428 (DE)

Application

EP 02742629 A 20020712

Priority

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- CH 0200382 W 20020712
- EP 01810741 A 20010727

Abstract (en)

[origin: EP1280218A1] Process for regulating the methanol concentration of a direct methanol fuel cell system having a fuel cell and a separate methanol reservoir comprises varying a first system parameter; and introducing methanol from a methanol reservoir depending on the resulting voltage from the fuel solution. An Independent claim is also included for a process for determining the methanol concentration in a direct methanol fuel cell. Preferred Features: Further system parameters are investigated before varying the first system parameter. A gas flow is increased during the variation. The current strength is varied in a determined region and a current-voltage characteristic line is acquired.

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IPC 8 full level

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