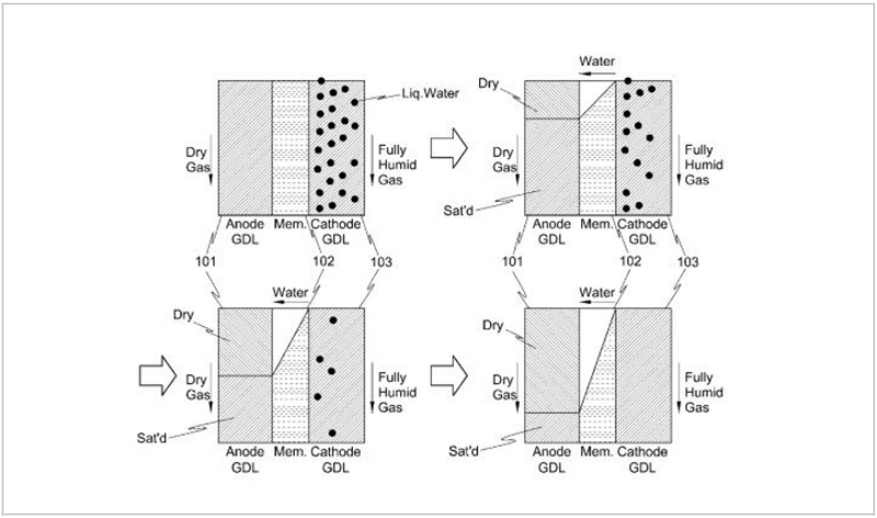
Method for Removing Residual Water from Fuel Cell

ID# 2009-3566



Preferred Embodiment of Method

Technology Summary

A method for removing residual water in a fuel cell, which controls the humidity of purge gases to effectively remove residual water in the fuel cell and to maintain the humidity in a membrance at a constant level, this ensuring the durability of the membrane. The method for removing residual water is characterized in that the relative humidities of purge gases supplied to an anode and a cathode are controlled to selectively reduce water content in the fuel cell and water content in a membrane.

Application & Market Utility

For use in any and all motor vehicles. Specific use in hybrid vehicles, electric vehicles, plug-in vehicles, hydrogen-powered vehicles, and other alternative fuel vehicles.

Next Steps

Seeking licensing opportunities.

TECHNOLOGY READINESS LEVEL 4-7

Seeking

Investment | Licensing | Research

Keywords

- fluid discharge
- residual water
- fuel cell
- controlled humidity
- hybrid vehicles

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