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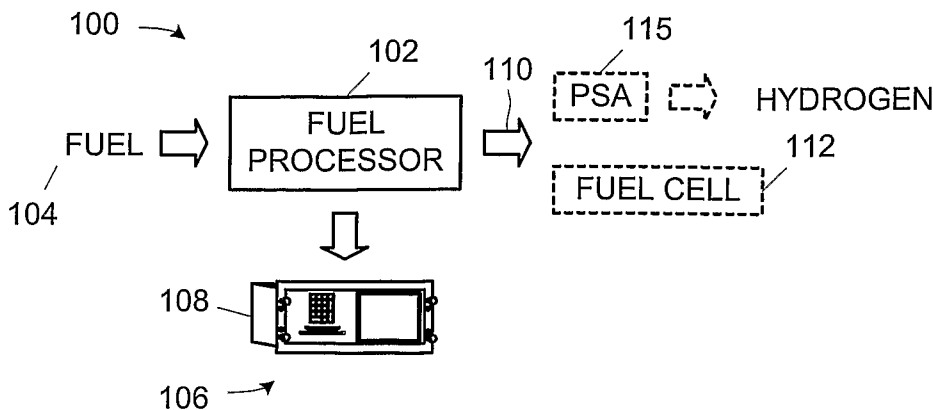
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(54) Title: COMBINATIONAL CONTROL STRATEGY FOR FUEL PROCESSOR REACTOR SHIFT TEMPERATURE CONTROL



(57) Abstract: A method and apparatus for use in controlling the reaction temperature of a fuel processor are disclosed. The apparatus includes a fuel processor reactor, the reactor including a water gas shift reaction section; a temperature sensor disposed within the reaction section; a coolant flow line through the reaction section; and an automated control system. The automated control system controls the reaction temperature by determining a first component for a setting adjustment for the actuator from the measured temperature and a setpoint for the measured temperature; determining a second component for the setting adjustment from a hydrogen production rate for the fuel processor; and determining the setting adjustment from the first and second components.

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C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US6,824,577 B2 (DESPANADE) 30 November 2004 (30.11.2004)	1-40
A	US 6,796,332 B2 (NGUYEN et al.) 28 September 2004 (28.09.2004)	1-40
A	US 2002/0094310 A1 (KRAUSE et al.) 18 July 2002 (18.07.2002)	1-40
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