

ABSTRACT

SYSTEM FOR CONTROLLING AMMONIA REACTOR AND METHOD OF
GENERATING HYDROGEN

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A system for controlling an ammonia reactor includes a sensor measuring an internal temperature of a cracker, a controller receiving temperature information collected from the sensor, a hydrogen supplier configured to determine a hydrogen supply amount into the cracker according to a first signal from the controller, and an ammonia supplier
10 configured to determine an ammonia supply amount into the cracker according to a second signal from the controller. The controller is configured to receive ammonia supply amount information from the ammonia supplier, and to determine the first signal based on the temperature information and the ammonia supply amount information.

15 FIG. 2.