



US 20060216227A1

(19) **United States**

(12) **Patent Application Publication** (10) **Pub. No.: US 2006/0216227 A1**

Idem et al. (43) **Pub. Date: Sep. 28, 2006**

(54) **CATALYSTS FOR HYDROGEN PRODUCTION**

Publication Classification

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(51) **Int. Cl.**
B01J 23/00 (2006.01)
(52) **U.S. Cl.** **423/651**; 502/337; 502/345;
502/304; 423/654; 423/653;
423/652

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(57) **ABSTRACT**

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(21) Appl. No.: **11/375,088**

(22) Filed: **Mar. 14, 2006**

Related U.S. Application Data

(60) Provisional application No. 60/664,641, filed on Mar. 24, 2005.

The present invention relates to catalysts for the production of hydrogen using the water gas shift reaction and the carbon dioxide reforming of hydrocarbon-containing fuels. The catalysts nickel and/or copper on a ceria/zirconia support, where the support is prepared using a surfactant templating method. The invention also includes processes for producing hydrogen, reactors and hydrogen production systems utilizing these catalysts.