Title (en)
CATALYTIC ALLOY HYDROGEN SENSOR APPARATUS AND PROCESS

Title (de)
VORRICHTUNG UND VERFAHREN FÜR EINEN WASSERSTOFFSENSOR AUS EINER KATALYTISCHEN LEGIERUNG

Title (fr)
APPAREIL ET PROCÉDÉ DE DÉTECTION D'HYDROGÈNE À L'AIDE D'UN ALLIAGE CATALYTIQUE

Publication
EP 2094372 A2 20090902 (EN)

Application
EP 07874333 A 20071203

Priority
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Abstract (en)
[origin: WO2008140597A2] A process for controlling a refinery or chemical process has been developed. The process comprises flowing a feed conduit (206) to a processing unit (222); operating on the feed stream to generate an effluent stream (242); flowing the effluent stream (242) away from the process unit; passing at least a portion of the feed stream or the effluent stream through a catalytic alloy hydrogen sensor (212) and generating a signal corresponding to the concentration of hydrogen present in either the feed stream or the effluent stream; passing the signal to a display unit; and adjusting an operating parameter (232) of the process in response to at least the signal generated by the catalytic alloy hydrogen sensor (212). The display unit may be part of a computer (230) which automatically adjusts an operating parameter. The catalytic alloy hydrogen sensor (212) may be a palladium-nickel catalytic alloy hydrogen sensor.

IPC 8 full level
B01D 53/14 (2006.01); **B01J 19/00** (2006.01); **G01N 7/00** (2006.01); **G01N 27/00** (2006.01)

CPC (source: EP KR)
B01D 53/14 (2013.01 - KR); **B01J 19/00** (2013.01 - KR); **G01N 7/00** (2013.01 - KR); **G01N 27/00** (2013.01 - KR); **G01N 33/005** (2013.01 - EP)

Citation (search report)
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WO 2008140597 A2 20081120; **WO 2008140597 A3 20090416**; CA 2670822 A1 20081120; EP 2094372 A2 20090902; JP 2010512995 A 20100430; KR 20090102813 A 20090930; TW 200841012 A 20081016

DOCDB simple family (application)
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