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13/493,259 11 June 2012 (11.06.2012) US(71) Applicant (for all designated States except US): **EXXON-MOBIL RESEARCH AND ENGINEERING COMPANY** [US/US]; 1545 Route 22 East, P.O. Box 900, Annandale, NJ 08801-0900 (US).

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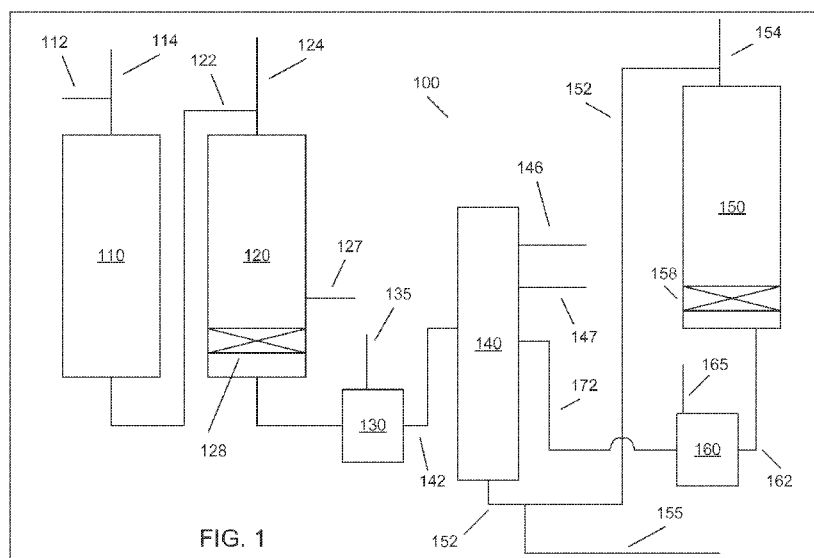
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(54) Title: CATALYST AND METHOD FOR FUELS HYDROCRACKING



(57) Abstract: Fuels hydrocracking can be used to generate a variety of product slates. Varying the temperature can allow an amount of naphtha product and an amount of unconverted product to be varied. The method can be enabled by a hydrocracking catalyst that includes a combination of metals with activity for hydrodesulfurization.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2012/042348

A. CLASSIFICATION OF SUBJECT MATTER
INV. C10G65/10
ADD.

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
C10G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EP0-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2011/043904 A1 (SAUDI ARABIAN OIL CO [SA]; KOSEOGLU OMER REFA [SA]) 14 April 2011 (2011-04-14) paragraphs [0025], [0040]; claim 1; figure 2; example 1 -----	1-20
Y	US 2009/045100 A1 (YOON H ALEX [US] ET AL) 19 February 2009 (2009-02-19) paragraph [0033] - paragraph [0035]; claims 1,3; figure 1; tables 1,2 -----	1-20
Y	US 3 125 502 A (CALIFORNIA RESEARCH CORPORATION) 17 March 1964 (1964-03-17) column 3, line 33 - line 56; claim 1; figure 1 ----- -/--	1-20



Further documents are listed in the continuation of Box C.



See patent family annex.

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"&" document member of the same patent family

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INTERNATIONAL SEARCH REPORT

International application No

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6 783 663 B1 (RILEY KENNETH LLOYD [US] ET AL) 31 August 2004 (2004-08-31) column 1, line 43 - line 44 column 2, line 36 - line 45 column 9, line 14 - line 31; examples 5,6; tables 1,2 -----	1-20
A	US 3 239 447 A (REEG CLOYD P ET AL) 8 March 1966 (1966-03-08) the whole document -----	1-20
A	US 2003/047486 A1 (CASH DENNIS R [US] ET AL) 13 March 2003 (2003-03-13) the whole document -----	1-20

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2012/042348

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