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(74) Agent: **SCHOETTLE, Ekkehard**; BP America Inc.,
4101 Winfield Road, Mail Code 5 East, Warrenville, IL
60555 (US).

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(71) Applicants (for all designated States except US): **BP OIL
INTERNATIONAL LIMITED** [GB/GB]; Chertsey
Road, Sunbury-on-Thames, Middlesex TW16 7BP (GB).
BP CORPORATION NORTH AMERICA INC.
[US/US]; 4101 Winfield Road, Warrenville, IL 60555
(US).

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(72) Inventors; and

(75) Inventors/Applicants (for US only): **CORMA, Avelino**
[ES/ES]; 4101 Winfield Road, Mail Code 5 East, War-
renville, IL 60555 (US). **MARTINEZ, Cristina** [ES/ES];
4101 Winfield Road, Mail Code 5 East, Warrenville, IL
60555 (US). **DOSKOCIL, Eric, J.** [US/US]; 4101 Win-
field Road, Mail Code 5 East, Warrenville, IL 60555
(US). **YALURIS, George** [US/US]; 4101 Winfield Road,
Mail Code 5 East, Warrenville, IL 60555 (US).

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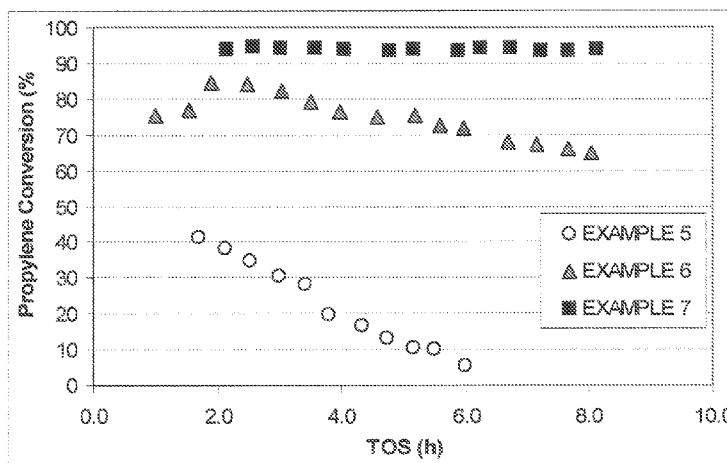


FIGURE 1

(57) Abstract: Disclosed is a process for producing a hydrocarbon fraction rich in components boiling in the range typical for diesel fuel comprising contacting a feedstock comprising one or more C₂ to C₁₀ alkenes with a modified zeolite catalyst having a one-dimensional micropore structure consisting of channels made from rings containing between 8 and 12 silicon/aluminium atoms at a temperature in the range 100 to 500°C and pressure in the range 0.1 to 200 bar characterised in that the modified zeolite catalyst is one which has been prepared by treating a corresponding zeolite precursor with an alkaline solution. The alkaline solution used to treat the zeolite precursor can be for example aqueous sodium hydroxide solution. Relative to equivalent untreated zeolites the modified zeolite catalysts described show improved catalyst life and selectivity to hydrocarbons boiling in the range 250 to 350°C.



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A. CLASSIFICATION OF SUBJECT MATTER

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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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 practical, search terms used)

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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	US 2008/139860 A1 (SIMON LAURENT [FR] ET AL) 12 June 2008 (2008-06-12) cited in the application the whole document	1-14
A	----- GROEN J C ET AL: "On the introduction of intracrystalline mesoporosity in zeolites upon desilication in alkaline medium", MICROPOROUS AND MESOPOROUS MATERIALS, ELSEVIER SCIENCE PUBLISHING, NEW YORK, US, vol. 69, no. 1-2, 8 April 2004 (2004-04-08), pages 29-34, XP004498873, ISSN: 1387-1811 cited in the application the whole document -----	1-14

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Name and mailing address of the ISA/

European Patent Office, P.B. 5818 Patentlaan 2
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Tel. (+31-70) 340-2040,
Fax: (+31-70) 340-3016

Authorized officer

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			EP 1899269 A2	19-03-2008
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