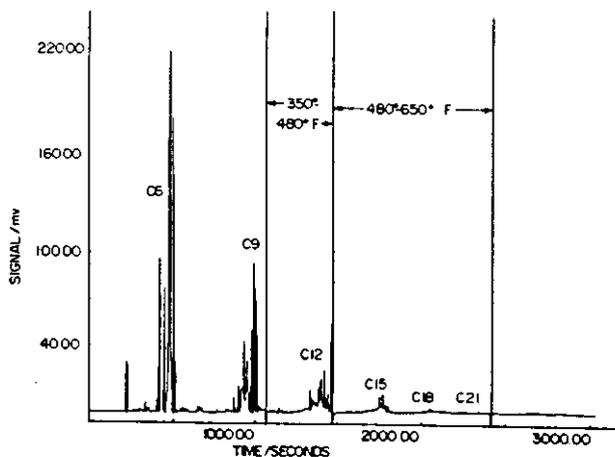


OPI DATE 27/04/93 APPLN. ID 26749/92
AOJP DATE 24/06/93 PCT NUMBER PCT/US92/08027

AU9226749

INTERNATIONAL PATENT CLASSIFICATION UNDER THE TREATY COOPERATION TREATY (PCT)

(51) International Patent Classification ⁵ : C07C 2/74, 2/02, C10L 1/16	A1	(11) International Publication Number: WO 93/06069 (43) International Publication Date: 1 April 1993 (01.04.93)
(21) International Application Number: PCT/US92/08027 (22) International Filing Date: 21 September 1992 (21.09.92)	(74) Agents: PAULAN, Alverna, M. et al.; Mobil Oil Corporation, 3225 Gallows Road, Fairfax, VA 22037-0001 (US).	
(30) Priority data: 764,258 23 September 1991 (23.09.91) US	(81) Designated States: AU, FI, JP, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE).	
(71) Applicant: MOBIL OIL CORPORATION [US:US]: 3225 Gallows Road, Fairfax, VA 22037-0001 (US).	Published <i>With international search report</i>	
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(54) Title: PROCESS FOR THE PRODUCTION OF HIGH CETANE VALUE CLEAN FUELS**(57) Abstract**

The 177°-343 °C (350°-650 °F) portion of the product from the oligomerization of light olefins with surface-deactivated shape selective medium pore zeolite catalyst comprises olefinic hydrocarbons having unique and desirable structures as precursors for high cetane value clean fuels. These oligomers are near linear in structure and contain no aromatics. Following hydrogenation they produce cetane values between 50 and 75. When the near linear olefinic hydrocarbons from surface-deactivated zeolite catalyzed oligomerization of light olefins are subjected to ethene metathesis to alpha olefins and oligomerization, the overall process reaction product comprises a mixture of a 343 °C + (650 °F +) portion comprising high VI lubricant and a 177°-343 °C (350°-650 °F) portion comprising high cetane clean fuels precursor. Hydrogenation of the 177°-343 °C (350°-650 °F) portion provides an aromatics-free fuel with a cetane value between 50-70 containing less than 0.5 weight % naphthenes.