

Title (en)  
PROCESS FOR OIL REFINING

Publication  
**EP 0539126 A3 19930616 (EN)**

Application  
**EP 92309490 A 19921016**

Priority  
FI 914953 A 19911021

Abstract (en)  
[origin: EP0539126A2] The invention relates to a process for preparing a diesel oil fraction with a high cetane number. According to the invention a charge containing light olefins is oligomerized in the presence of a zeolite catalyst to prepare a product composition which at least partially comprises C<sub>3</sub>/4 theta hydrocarbons. The product composition thus obtained is hydrogenated to form a diesel oil fraction. According to the invention the catalyst used comprises a ZSM-5 zeolite catalyst, whose hydroogen ions have, at least partially been exchanged for Ca<sup>2+</sup> &copy; ions. By means of the invention it is possible to prepare diesel oil fraction with a cetane number higher than 49.

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**C10G 69/12**

IPC 8 full level  
**C10G 69/12** (2006.01); **F02B 3/06** (2006.01)

CPC (source: EP)  
**C10G 69/126** (2013.01); **C10G 2400/04** (2013.01); **F02B 3/06** (2013.01)

Citation (search report)  
• [Y] US 4482772 A 19841113 - TABAK SAMUEL A [US]  
• [YD] GB 2136013 A 19840912 - BROKEN HILL PTY CO LTD, et al

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**EP 0539126 A2 19930428; EP 0539126 A3 19930616; EP 0539126 B1 19960821**; AT E141636 T1 19960915; DE 69212950 D1 19960926; DE 69212950 T2 19970220; FI 88682 B 19930315; FI 88682 C 19930628; FI 914953 A0 19911021

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