

Title (en)  
Olefin oligomerization process

Title (de)  
Olefin Oligomerizationsverfahren

Title (fr)  
Procédé d'oligomérisation d'oléfines

Publication  
**EP 0785245 A2 19970723 (EN)**

Application  
**EP 97300152 A 19970113**

Priority  
US 58598196 A 19960112

Abstract (en)  
A process is described for producing a synthetic hydrocarbon especially useful as a base for high performance motor oils. The material is an alpha-olefin monomer having a uniquely selective product distribution emphasizing tetramers and pentamers. This distribution is achieved by using a catalyst comprising boron trifluoride and a long, straight-chain alcohol promoter, such as 1-hexanol.

IPC 1-7  
**C10G 50/02**

IPC 8 full level  
**C10M 105/04** (2006.01); **C10G 50/02** (2006.01); **C10M 177/00** (2006.01); **C10N 70/00** (2006.01)

CPC (source: EP)  
**C10G 50/02** (2013.01)

Citation (applicant)  

- US 3780128 A 19731218 - SHUBKIN R
- US 4045508 A 19770830 - CUPPLES BARRETT L, et al
- US 4587368 A 19860506 - PRATT ROBERT E [US]

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DOCDB simple family (publication)  
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**EP 97300152 A 19970113; CA 2194616 A 19970108; JP 314497 A 19970110**