

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]

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 0785245 A2 19970723; EP 0785245 A3 19980506; CA 2194616 A1 19970713; JP H09194864 A 19970729

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