

Title (en)

METHOD FOR OLIGOMERIZATION OF OLEFINS AND OLEFIN MIXTURES.

Title (de)

VERFAHREN ZUR OLIGOMERISIERUNG VON OLEFINEN UND OLEFINMISCHUNGEN.

Title (fr)

PROCEDE D'OLIGOMERISATION D'OLEFINES ET DE MELANGES D'OLEFINES.

Publication

**EP 0677033 A1 19951018 (EN)**

Application

**EP 94901976 A 19931215**

Priority

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Abstract (en)

[origin: WO9415895A1] The invention relates to the oligomerization of olefins or olefin mixtures, in particular long-chain hydrocarbon mixtures containing 6-20 carbon atoms or butenes, or mixtures of these said olefins, by means of a BF<sub>3</sub>/cocatalyst complex, the cocatalyst being water, a C<sub>2</sub>-C<sub>10</sub> monoalcohol or a C<sub>2</sub>-C<sub>10</sub> monocarboxylic acid. Examples of especially preferred cocatalysts are pentanol and n-valeric acid. BF<sub>3</sub> is fed in gaseous state into the oligomerization reactor, and the reactor is pressurized thereby. In case a monomer mixture is oligomerized, the product is a true co-oligomer and it also contains double bonds which increase product reactivity, needed when the oligomer is used as an intermediate.

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