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(54) Title: **PROCESS FOR DIMERIZING OLEFINS**

(57) Abstract: A method of dimerizing alpha-olefins to mostly linear internal olefin dimers using as a catalyst a transition metal complex with an activating co-catalyst. According to this process, a catalyst comprising a transition metal complex is added under inert gas to a container, the olefin is added to the container and finally an activating co-catalyst is added.