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ABSTRACT OF THE DISCLOSURE

There is disclosed a process for producing an α -olefin oligomer by
subjecting an α -olefin to oligomerization reaction in the presence of a catalyst
and an organic solvent which comprises the step of spraying a solvent
5 containing the organic solvent in the form of a linear or bar-like pressure fluid
toward a wall surface of a vapor phase portion of a reactor from a nozzle fitted
within a space of the vapor phase portion of the reactor to conduct the
oligomerization reaction while cleaning the wall surface of the vapor phase
portion of the reactor. In the production process of the present invention, it is
10 possible to effectively prevent deposition of polymers onto the wall surface of
the vapor phase portion of the reactor and stably operate the reactor for a long
period of time.



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