

ABSTRACT

A method for producing an α -olefin oligomer, the method including subjecting α -olefin to oligomerization reaction to produce an α -olefin oligomer mixture, carrying out distillation separation of α -olefin oligomer having less than n carbon atoms in the mixture to obtain a distillation residue containing α -olefin oligomer having n or more carbon atoms, and then carrying out a step of removing high molecular weight molecules from the distillation residue.