

Title (en)

METHODS FOR SUPPLYING SOLID CATALYSTS TO A SOLUTION POLYMERIZATION REACTOR

Title (de)

VERFAHREN ZUR ZUFÜHRUNG VON FESTSTOFFKATALYSATOREN ZU EINEM LÖSUNGSPOLYMERISATIONSREAKTOR

Title (fr)

PROCÉDÉS D'ALIMENTATION EN CATALYSEURS SOLIDES D'UN RÉACTEUR DE POLYMÉRISATION EN SOLUTION

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Application

EP 17742357 A 20170710

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Abstract (en)

[origin: CN109563189A] Disclosed is a solution polymerization process, or, alternatively, a method of delivering powder catalysts to a solution polymerization reactor, comprising combining a homogeneous single-site catalyst precursor with a-olefin monomers to form a polyolefin, wherein the homogeneous single-site catalyst precursor is in the form of (i) a dry powder, (ii) suspended in an aliphatic hydrocarbon solvent, or (iii) suspended in an oil or wax, wherein the homogeneous single-site catalyst precursor is at a concentration greater than 0.8 mmole/liter when suspended in the aliphatic hydrocarbon solvent prior to entering the solution polymerization reactor.

IPC 8 full level

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