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(54) Title: METHOD FOR TRANSITIONING BETWEEN INCOMPATIBLE OLEFIN POLYMERIZATION CATALYST SYSTEMS

(57) Abstract: A method for transitioning from a first to a second catalyst system for the olefin polymerization reaction in one reactor, wherein the first catalyst system is incompatible with the second catalyst system, is described. The method comprises the steps of a) discontinuing a first olefin polymerization reaction performed in the presence of the first catalyst system; and b) performing a second olefin polymerization reaction in the presence of the second catalyst system comprising catalyst components (A) and (B) producing, respectively, a first and a second polyolefin fraction, wherein the M_w of the first polyolefin fraction is less than the M_w of the second polyolefin fraction and the initial activity of catalyst component (A) exceeds the initial activity of catalyst component (B). Thanks to this method, there is no need to empty the reactor after the first olefin polymerization reaction, and the transitioning time needed to attain the desired quality of the polyolefin obtained in the second olefin polymerization reaction is sufficiently short to permit a quick and reliable change of production.



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