

Title (en)

POLYETHYLENE, PROCESS AND CATALYST COMPOSITION FOR THE PREPARATION THEREOF

Title (de)

POLYETHYLEN, VERFAHREN UND KATALYSATORZUSAMMENSETZUNG ZU SEINER HERSTELLUNG

Title (fr)

POLYÉTHYLÈNE, PROCÉDÉ ET COMPOSITION CATALYTIQUE POUR SA PRÉPARATION

Publication

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Application

**EP 08749587 A 20080417**

Priority

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Abstract (en)

[origin: WO2008132059A1] A multimodal polyethylene having an inverse comonomer distribution, as well as a process carried out in a single reactor in the presence of a mixed catalyst composition comprising two different polymerization catalysts, are described. The multimodal polyethylene has a density of 0.915 - 0.970 g/cm<sup>3</sup>, a weight average molar mass Mw of 100 000 - 900 000 g/mol, and a polydispersity  $M_w/M_n$  of at least 15. The at least one homopolymer has a density of 0.950 - 0.975 g/cm<sup>3</sup>, a weight average molar mass  $M_w$  of 10 000 - 90 000 g/mol and a polydispersity  $M_w/M_n$  higher than 3 and lower than 10, and the at least one copolymer has a polydispersity  $M_w/M_n$  between 8 and 80.

IPC 8 full level

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