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(54) Title: PRE-POLYMERIZED CATALYST COMPONENTS FOR THE POLYMERIZATION OF OLEFINS

(57) Abstract: Catalyst components for the preparation of ethylene (co)polymers capable to produce polymers with high bulk density, to avoid the problems of formation of fines and that have a high activity are provided. Said catalyst components are characterized by comprising a non-stereospecific solid catalyst component, comprising a titanium compound and a magnesium dihalide, which is pre-polymerized with an alpha olefin $CH_2=CHR^1$ wherein R is a C1-C8 alkyl group, to such an extent that the amount of the α-olefin pre-polymer is up to 100 g per g of said solid catalyst component.