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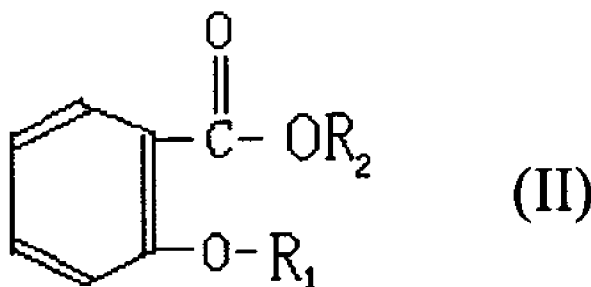
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(54) **Title:** SPHERICAL MAGNESIUM HALIDE ADDUCT, CATALYST COMPONENT AND CATALYST FOR OLEFIN POLYMERIZATION PREPARED THEREFROM



(57) **Abstract:** A magnesium halide adduct represented by the formula (I): $MgX_2 \cdot mROH \cdot nE \cdot pH_2O$, in which X is chlorine, bromine, a C_1 - C_{12} alkoxy, a C_3 - C_{10} cycloalkoxy or a C_6 - C_{10} aryloxy, with the proviso that at least one X is chlorine or bromine; R is a C_1 - C_{12} alkyl, a C_3 - C_{10} cycloalkyl or a C_6 - C_{10} aryl; E is an o-alkoxybenzoate compound represented by the formula (II): in which R_1 and R_2 groups are independently a C_1 - C_{12} linear or branched alkyl, a C_3 - C_{10} cycloalkyl, a C_6 - C_{10} aryl, a C_7 - C_{10} alkaryl or an C_7 - C_{10} aralkyl, the R_1 and R_2 groups are identical to or different from the R group; m is in a range of from 1.0 to 5.0; n is in a range of from 0.001 to 0.5; and p is in a range of from 0 to 0.8, is disclosed. A catalyst component useful in olefin polymerization, which comprises a reaction product of (1) the magnesium halide adduct, (2) a titanium compound, and optionally (3) an electron donor compound, is also disclosed.



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