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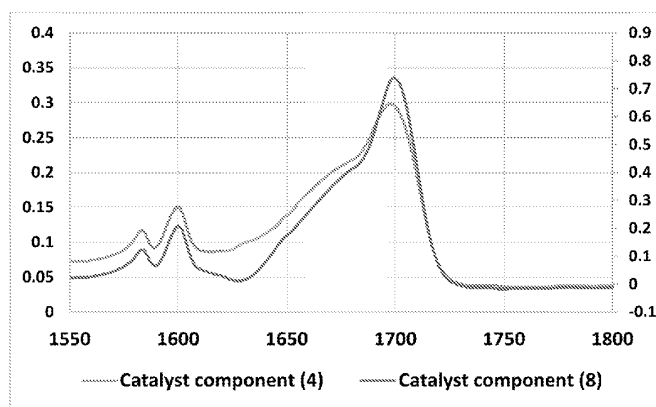


FIG. 1

(57) Abstract: An isolated solid catalyst component for olefin polymerization. The catalyst component comprises a halide-containing magnesium compound, a titanium halide compound, a supportive donor comprising a benzoate, an internal electron donor, and an activity control agent (AC A). The AC A comprises at least one of: i) a first organosilicon compound containing Si-O groups being present in the catalyst component in an amount from about 0.1 to about 5% by weight; ii) an organic ester of a C₄ to C₃₀ aliphatic acid or a poly(alkene glycol) ester of a C₄ to C₃₀ aliphatic acid in amount from about 0.1% to about 15% by weight; and iii) an organo-aluminum compound containing an alkyl group. At least a part of the ACA is chemically bonded to the halide-containing magnesium compound.

[Continued on next page]

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