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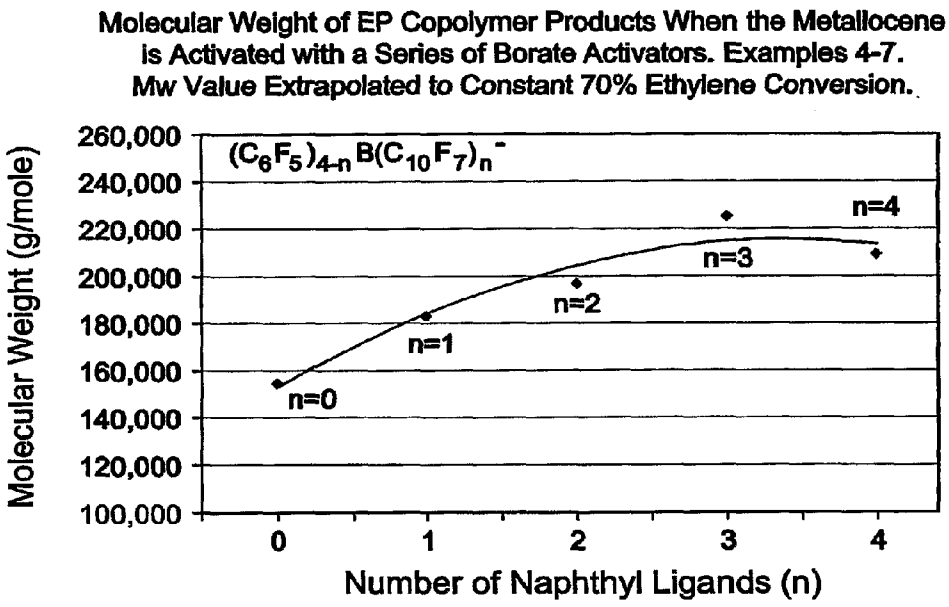
Declarations under Rule 4.17:

— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*

— *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

[Continued on next page]

(54) Title: PROCESS FOR PRODUCING PROPYLENE COPOLYMERS



(57) Abstract: In a process for producing a propylene copolymer, propylene and at least one olefin monomer selected from ethylene and alpha olefins having 4 to 20 carbon atoms are contacted with a catalyst system comprising (a) a catalyst precursor comprising an organometallic compound and (b) an activator comprising a fluoroarylborate anion represented by the formula: $Ct^+ [B\text{-}(Ar_xR_n)]^-$ where Ct^+ is a cation capable of extracting an alkyl group from, or breaking a carbon-metal bond of, the organometallic compound; Ar is a fluorophenyl group; R is a fluoronaphthyl group and each of x and n is 1, 2, or 3, with the proviso that the sum of x+n=4.

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