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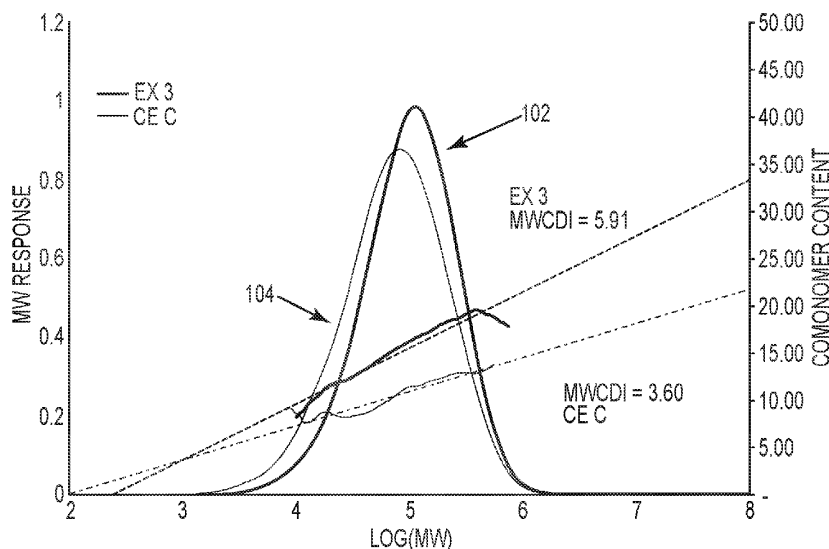


FIG. 1

(57) Abstract: Embodiments of the present disclosure are directed towards symmetrical hafnium metallocenes having isobutyl cyclopentadienyl ligands, compositions including those symmetrical hafnium metallocenes having isobutyl cyclopentadienyl ligands, and methods utilizing compositions including the symmetrical hafnium metallocenes having isobutyl cyclopentadienyl ligands.

[Continued on next page]

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