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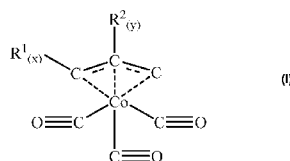
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(54) Title: HIGH MOLECULAR WEIGHT ALKYL-ALLYL COBALTTRICARBONYL COMPLEXES AND USE THEREOF FOR PREPARING DIELECTRIC THIN FILMS

(57) Abstract: A method for forming a cobalt-containing thin film by a vapor deposition process is provided. The method comprises using at least one precursor corresponding in structure to Formula (I); wherein R¹ and R² are independently C₂-C₈-alkyl; x is zero, 1 or 2; and y is zero or 1; wherein both x and y can not be zero simultaneously.