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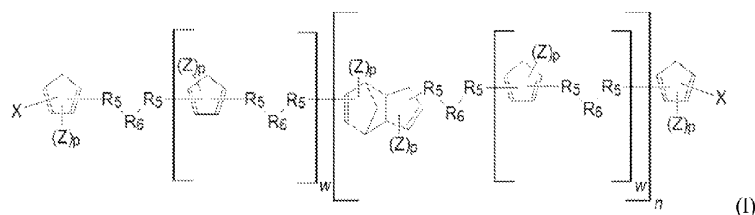
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(54) Title: OLIGOMER RESIN COMPOSITIONS



(57) Abstract: A resin has a structure defined by Formula (I) wherein: (a) each R_5 is independently a methylene group (CH_2), or a methylene group substituted with one or more -H, $-CH_3$, or halogen functionalities; (b) each R_6 is independently a bond or a straight-chain or branched, linear or cyclic, saturated or unsaturated, substituted or unsubstituted, aliphatic or aromatic group having between 1 and 2 carbon atoms; (c) each X is independently a functionality possessing at least one non-aromatic alkene or alkyne moiety; (d) each Z is independently either H or X; (e) each Z is independently either H or X, and each p is independently an integer from 1-4; (f) each w is independently 0, or an integer greater than or equal to 1, and (i) when w is 0, the bracket region represents a bond and n is 0, or an integer greater than or equal to 1; and (ii) when n is 0, the bracket region represents a bond. The resin is especially well suited for use in a base station, circuit board, server, router, radome or satellite structure, as well as such processes as digital light printing (DLP), continuous liquid interface printing (CLIP), and Stereolithography (SL).



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