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(54) **POLYBENZOXAZOLE RESIN AND PRECURSOR THEREOF**

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C08G 73/22	(2006.01)
H01B 3/30	(2006.01)

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CPC ***C09D 161/00*** (2013.01); ***C08G 73/22*** (2013.01); ***C09D 179/04*** (2013.01); ***H01B 3/307*** (2013.01)

(58) **Field of Classification Search**

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See application file for complete search history.

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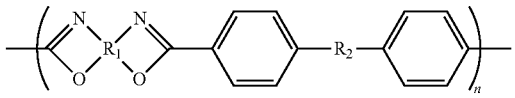
(57) **ABSTRACT**

The present invention provides a polybenzoxazole resin containing a repeating unit represented by the following general formula (1):

(1)



wherein R_1 is a tetravalent aromatic group; N atoms and O atoms which are bonded to R_1 are present in the form of pairs each consisting of an N atom and an O atom such that the N atom and the O atom in each pair are respectively bonded to adjacent two carbon atoms constituting the same aromatic ring in R_1; R_2 is an alkanediyl group having 1 to 6 carbon atoms; and n is an integer of 2 to 10000, which is excellent in electrical insulating properties, heat resistance, mechanical properties, physical properties, dimensional stability and the like, as well as a polybenzoxazole precursor capable of producing the polybenzoxazole resin which is excellent in solubility in solvents and storage stability.

10 Claims, No Drawings