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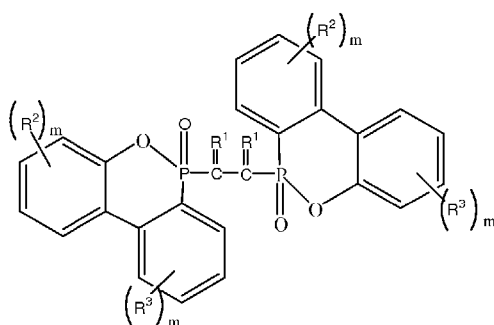
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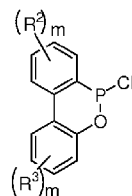
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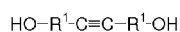
(54) Title: BUTADIEN2,3-DIYL LINKED DI-DOPO DERIVATIVES AS FLAME RETARDANTS



(57) Abstract: Disclosed are novel, halogen-free flame-retardants de-
rived from 9,10-Dihydro-9-Oxa-10-Phosphaphenanthrene-10-oxide
(DOPO) of the structure below: This invention also relates to the use
of the halogen free DOPO derived compositions as flame-retardants in
polymers, and a process of preparing the above compounds by react-
ing a formula A compound with a formula B compound:



Formula A



Formula B



EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU,
LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
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