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(71) Applicant *(for all designated States except US)*: **COLGATE-PALMOLIVE COMPANY** [US/US]; 300 Park Avenue, New York, New York 10022 (US).

(72) Inventor; and
(75) Inventor/Applicant *(for US only)*: **SUBRAMANYAM, Ravi** [US/US]; 18 Doyle Lane, Belle Mead, New Jersey 08502 (US).

(74) Agent: **BULLOCK, Kristyne, A.**; COLGATE-PALMOLIVE COMPANY, 909 River Road, Piscataway, New Jersey 08855 (US).

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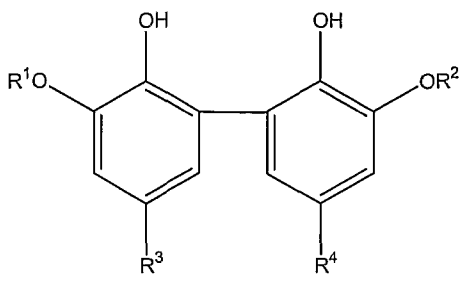
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(54) Title: ANTIBACTERIAL 5',5-DISUBSTITUTED 3,3'-DIALKOXY-2,2'-DIHYDROXY- 1,1'-BIPHENYL COMPOUNDS AND RELATED METHODS



(I)

(57) Abstract: The invention provides an antiplaque oral composition that includes an orally acceptable carrier; and an antibacterially effective amount of a compound of structure (I) In the structure, R^1 and R^2 are independently selected from a lower C_{1-4} alkyl group and R^3 and R^4 are independently an alkenyl or alkyl group having from 1 to 20 carbon atoms. Also included in the invention are toothpastes or tooth gels that include at least one humectant; at least one abrasive compound; and an antibacterially effective amount of the compound represented by the structure of formula (I). Also provided are methods of inhibiting bacterial growth in the oral cavity of an animal by application of the compound of formula (I).