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(71) Applicant *(for all designated States except US)*: **PFIZER PRODUCTS INC.** [US/US]; Eastern Point Road, Groton, CT 06340 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **DREIER, Kimberly, Jean** [US/US]; Pfizer Global Research and Development, 312 Henrietta Street, Kalamazoo, MI 49001 (US). **HARDHAM, John, Morgan** [US/US]; Pfizer Global Research and Development, 312 Henrietta Street, Kalamazoo, MI 49001 (US). **HAWORTH, John, David** [US/US]; Pfizer Global Research and Development, 312 Henrietta Street, Kalamazoo, MI 49001 (US). **KING, Kendall, Wayne** [US/US]; Pfizer Global Research and Development,, 312 Henrietta Street, Kalamazoo, MI 49001 (US). **KRISHNAN, Rajendra** [US/US]; Pfizer Global Research and Development, 312 Henrietta Street, Kalamazoo, MI 49001 (US). **MCGAVIN, David, Ross** [US/US]; Pfizer Global Research and Development, 312 Henrietta Street, Kalamazoo, MI 49001 (US).

(74) Agents: **FULLER, Grover, F., Jr.** et al.; Pfizer Inc., P.O. Box 1027, St. Louis, MO 63006 (US).

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(54) Title: VACCINE FOR PERIODONTAL DISEASE

(57) Abstract: The present invention relates to novel bacterial isolates identified by their 16S rRNA DNA, that cause periodontal disease in companion animals, polynucleotide sequences contained therein, polypeptides encoded by such polynucleotide sequences and vaccines comprising such bacteria, polynucleotides, or polypeptides. Also provided are methods for treating and preventing periodontal disease and kits for detecting and treating periodontal disease kits for detecting and preventing periodontal disease. In addition, methods for assessing the efficacy of a vaccine against periodontal diseases in an animal are provided.

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