

Title (en)  
STANNOUS ORAL CARE COMPOSITIONS

Title (de)  
ZINNHALTIGE MUNDPFLEGEZUSAMMENSETZUNGEN

Title (fr)  
COMPOSITIONS D'HYGIÈNE BUCCALE STANNEUSES

Publication  
**EP 2068814 A1 20090617 (EN)**

Application  
**EP 06809475 A 20061002**

Priority  
IB 2006053598 W 20061002

Abstract (en)  
[origin: WO2008041055A1] Disclosed are oral compositions comprising a stannous ion source, a polyvalent cation source and a mineral surface active agent, said compositions providing enhanced therapeutic efficacy derived from stannous fluoride and/or other stannous salt, including antimicrobial effects, control of breath malodor, control of dental plaque growth and metabolism, reduced gingivitis, decreased progression to periodontal disease, reductions in dentinal hypersensitivity and reduced coronal and root dental caries. The aforementioned benefits are provided along with significant improvements compared to conventional stannous containing compositions, including: 1) reduced levels of dental staining; 2) reduced astringency thereby improving aesthetic characteristics of the compositions; 3) reduction in dental calculus formation, and 4) enhanced stability, bioavailability and thus, efficacy of stannous. The mineral surface active agents are agents that are substantive to mineral surfaces such as teeth and have chelating activity for polyvalent cations including stannous (Sn+2), zinc (Zn+2), copper (Cu+2), aluminum (Al+3), iron (Fe+2, Fe +3), strontium (Sr+2), calcium (Ca+2), barium (Ba+2), magnesium (Mg+2), and manganese (Mn+2). Preferred mineral surface-active agents include polymers or copolymers containing phosphate, phosphonate, or carboxy groups. The compositions may also comprise a fluoride ion source and may be formulated as single phase or dual phase compositions.

IPC 8 full level  
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CPC (source: EP)  
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Citation (search report)  
See references of WO 2008041055A1

Cited by  
US11213466B2; US10350151B2; US11344486B2; US11690791B2; US12005076B2

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