Dynamic Characteristics of CFOSPATAS NAOR Based on PRATA

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Technology description

Introduction
Dental caries is one of the most common diseases in the population. In addition to etiological agents, dental restoration is also included. Dental restoration may occur at the edge of dental caries recurrence. At present, the composite resin is inert and lacks the ability to inhibit the development of new damage. To impart biological activity to these materials, this innovation combines the incorporation of silver-doped calcium phosphate particles (used to promote dental tissue remineralization) (used to inhibit bacterial plaque growth).
Objective
A process for obtaining a restorative material formed of calcium phosphate and silver phosphate mixed particles dispersed in a resin matrix has been proposed, which has the ability to release ions to promote remineralization and prevent colonization of bacteria around it.

Application area

Preparation of restorative agents and cement for dental treatment, in particular dental caries, and prevention of new injuries;
Employment in the medical field;
Medical and dental companies that produce biological materials.

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