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(54) Title: DENTAL COMPOSITION FOR DESENSITIZING, DISINFECTING AND PROTECTING EXPOSED DENTINE

(57) Abstract: A composition for desensitizing, disinfecting and protecting exposed dentine comprising a substance that causes the precipitation of a calcium- containing substance compound inside the dentinal tubules, in particular, oxalic acid, potassium oxalate or a fluorine salt, and an acrylic polymer (preferably 2-hydroxyethylmetacrylate) for stabilizing the precipitated calcium-containing substance. The composition has a higher efficiency than common use desensitizing substances because it assists adhesion of insoluble calcium oxalate and calcium fluoride crystals, deep inside the dentinal tubules, thus stabilizing the occlusion of the tubules. The presence of a disinfecting substance further improves the composition efficiency; in particular, cationic disinfecting substances have a desensitizing efficacy when applied on exposed dentine since they reduce bacterial plaque, and limit therefore the reaction and degradation products of the bacterial plaque that could otherwise penetrate the dentinal tubules, which are pervious due to dentine exposition.

INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER
INV. A61Q11/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

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Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, WPI Data

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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