

Title (en)

ENAMEL PROTECTANT AND REPAIR TOOTHPASTE

Title (de)

SCHUTZMITTEL FÜR ZAHNSCHMELZ UND REPARATURZAHNPASTA

Title (fr)

PÂTE DENTIFRICE POUR LA PROTECTION ET LA RÉPARATION DE L'ÉMAIL

Publication

**EP 3129000 A4 20171129 (EN)**

Application

**EP 15777496 A 20150410**

Priority

- US 201414251220 A 20140411
- US 2015025391 W 20150410

Abstract (en)

[origin: WO2015157683A1] Substantially aqueous-free, enamel protectant and enamel repair toothpastes containing: stannous fluoride, calcium and a substantivity agent comprising: an emulsion of polydimethylsiloxane in a nonionic surfactant, wherein: (a) substantivity of said stannous fluoride and calcium into biofilm present on enamel is enhanced through calcium binding shifting from bidentate to monodentate in the presence of stannous fluoride; and (b) said toothpastes indicate substantially improved, enamel protectant factor (EPF) and enamel repair factor (ERF) values compared to fluoride brushing treatments with comparable or higher fluoride levels.

IPC 8 full level

**A61Q 11/00** (2006.01); **A61K 8/19** (2006.01); **A61K 8/21** (2006.01); **A61K 8/24** (2006.01); **A61K 8/86** (2006.01)

CPC (source: EP)

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Citation (search report)

- [IY] WO 2008041055 A1 20080410 - PROCTER & GAMBLE [US], et al
- [XYI] WO 2013095366 A1 20130627 - COLGATE PALMOLIVE CO [US], et al
- [IY] EP 0868903 A2 19981007 - BASF CORP [US]
- [Y] US 5645841 A 19970708 - HILL IRA D [US], et al
- See references of WO 2015157683A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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