

Title (en)  
SELF-ADHESIVE FISSURE SEALANT

Title (de)  
SELBSTADHÄSIVER FISSURENVERSIEGLER

Title (fr)  
MATÉRIAU DE SCELLEMENT DE SILLONS AUTOADHÉSIF

Publication  
**EP 4312947 A1 20240207 (DE)**

Application  
**EP 22720599 A 20220331**

Priority  
• DE 102021108477 A 20210402  
• DE 102021108476 A 20210402  
• EP 2022058711 W 20220331

Abstract (en)  
[origin: WO2022207877A1] Disclosed is a self-adhesive, radiation-curable dental material comprising A) a monomer component with a difunctional urethane (meth)acrylate, hydrophilic alkylene oxide-based difunctional (meth)acrylate-based cross-linking agents, at least one acid monomer of an olefinic, acid monoester of a phosphoric acid and/or an olefinic, acid monoester of a thiophosphoric acid, optionally in combination with an olefinic carboxylic acid and /or olefinic carboxylic acid anhydride, and an initiator and/or an initiator system, in each case having an absorption peak of 420 to 550 nm, and optionally a co-initiator ; and optionally B) a filler component comprising at least one dental glass, wherein in particular A) the monomer component and B) the filler component are present in a mass ratio of a) from 100 : 0 to 60 : 40 in fissure sealants or b) from 59 : 41 to 20 : 80 in composite materials, and wherein the total composition of the fissure sealant or the composite material is 100 % by weight.

IPC 8 full level  
**A61K 6/887** (2020.01); **A61K 6/62** (2020.01); **A61K 6/71** (2020.01); **A61K 6/76** (2020.01); **A61K 6/77** (2020.01); **A61K 6/78** (2020.01)

CPC (source: EP US)  
**A61K 6/54** (2020.01 - US); **A61K 6/62** (2020.01 - EP US); **A61K 6/71** (2020.01 - EP); **A61K 6/76** (2020.01 - EP); **A61K 6/77** (2020.01 - EP US); **A61K 6/78** (2020.01 - EP US); **A61K 6/887** (2020.01 - EP US)

C-Set (source: EP)  
1. **A61K 6/887 + C08L 33/08**  
2. **A61K 6/887 + C08L 33/10**

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022207877 A1 20221006**; EP 4312945 A1 20240207; EP 4312947 A1 20240207; JP 2024512755 A 20240319;  
JP 2024512756 A 20240319; US 2024197577 A1 20240620; US 2024216229 A1 20240704; WO 2022207879 A1 20221006

DOCDB simple family (application)  
**EP 2022058709 W 20220331**; EP 2022058711 W 20220331; EP 22720373 A 20220331; EP 22720599 A 20220331; JP 2023560779 A 20220331;  
JP 2023560780 A 20220331; US 202218284933 A 20220331; US 202218285275 A 20220331