

Title (en)  
DENTAL COMPOSITION

Title (de)  
DENTALE ZUSAMMENSETZUNG

Title (fr)  
COMPOSITION DENTAIRE

Publication  
**EP 2509558 A1 20121017 (EN)**

Application  
**EP 10788023 A 20101207**

Priority  
• EP 09015142 A 20091207  
• EP 2010007434 W 20101207  
• EP 10788023 A 20101207

Abstract (en)  
[origin: EP2329807A1] Dental cement composition comprising (a) a polymerizable polyacidic polymer having repeating units in the polymer backbone, which are represented by the following formula (I): wherein X represents O, S, or NR', whereby R' represents a hydrogen atom or a straight or branched C 1 -C 6 alkyl group, C 3 -C 6 cycloalkyl group, or C 4 -C 8 cycloalkylalkyl group, Y is a moiety of the following formula (II): wherein L 2 represents a single bond, a straight or branched C 1 -C 6 alkylene group, or a straight or branched C 1 -C 20 alkylene group which includes 1 to 8 atoms selected from oxygen and sulfur atoms; L 3 represents a straight or branched C 1 -C 3 alkylene group, which may optionally include 1 to 4 atoms selected from oxygen and sulfur atoms; m represents an integer of from 0 to 6; Z represents H or -COOH; Z' represents H or (CH 2 ) x COOH, wherein x is 0, 1, or 2, L 1 represents a single bond, a straight or branched C 1 -C 6 alkylene group, a straight or branched C 1 -C 6 alkylidene group, or a straight or branched C 1 -C 20 alkylene group which includes 1 to 8 atoms selected from oxygen and sulfur atoms; and having repeating units in the polymer backbone, which are represented by the following formula (III): wherein L 4 represents a single bond, a straight or branched C 1 -C 6 alkylene group, a straight or branched C 1 -C 6 alkylidene group, or a straight or branched C 1 -C 20 alkylene group which includes 1 to 8 atoms selected from oxygen and sulfur atoms; and Z'' represents H or -COOH; (b) a polymerizable monomer having at least one polymerizable functional group; (c) a radical polymerization initiator.

IPC 8 full level  
**A61K 6/083** (2006.01); **A61K 6/884** (2020.01); **C08F 8/14** (2006.01); **C08F 8/32** (2006.01); **C08F 8/34** (2006.01); **C08F 290/12** (2006.01)

CPC (source: EP)  
**A61K 6/889** (2020.01); **C08F 8/14** (2013.01); **C08F 8/32** (2013.01); **C08F 8/34** (2013.01); **C08F 263/06** (2013.01); **C08F 267/00** (2013.01); **C08F 267/02** (2013.01); **C08F 290/00** (2013.01); **C08F 290/12** (2013.01); **C08L 51/003** (2013.01)

Citation (search report)  
See references of WO 2011069642A1

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

DOCDB simple family (publication)  
**EP 2329807 A1 20110608**; CA 2782450 A1 20110616; EP 2509558 A1 20121017; JP 2013512933 A 20130418; WO 2011069642 A1 20110616

DOCDB simple family (application)  
**EP 09015142 A 20091207**; CA 2782450 A 20101207; EP 10788023 A 20101207; EP 2010007434 W 20101207; JP 2012542391 A 20101207