

Title (en)

IMPROVED POLYVINYLSILOXANE IMPRESSION MATERIAL

Title (de)

POLYVINYLSILOXAN-ABFORMMASSE

Title (fr)

MATERIAU DE PRISE D'EMPREINTE AMELIORE A BASE DE POLYVINYLSILOXANE

Publication

**EP 1165015 A1 20020102 (EN)**

Application

**EP 00913808 A 20000308**

Priority

- US 0006040 W 20000308
- US 28811399 A 19990408

Abstract (en)

[origin: WO0061075A1] Improved two component polymerizable polyorganosiloxane compositions are described, particularly for use in making dental impressions, having improved tear strength and wettability. Improved tear strength results from inclusion of a quadri-functional polysiloxane having a vinyl content of 0.16 to 0.24 m-mole/g. Working time is maintained by including sufficient amounts of a retarder composition that delays onset of the vinyl polymerization. Wettability is improved by including a surfactant resulting in a surface contact angle with water at three minutes of less than 50 DEG . The surfactant chosen has an HLB of 8-11, such that the wetting contact angle is achieved within less than two minutes and remains wetting throughout the working time of the impression taking, substantially improving impression quality. A low viscosity impression material is provided and includes a base component and a catalyst component. Both components are siloxane-based materials.

IPC 1-7

**A61K 6/10**; **C08L 83/04**

IPC 8 full level

**A61K 6/90** (2020.01); **C08L 83/04** (2006.01)

CPC (source: EP)

**A61K 6/90** (2020.01); **C08L 83/04** (2013.01); **C08G 77/12** (2013.01); **C08G 77/20** (2013.01); **C08G 77/70** (2013.01); **C08G 77/80** (2013.01)

Citation (search report)

See references of WO 0061075A1

Designated contracting state (EPC)

CH DE FR GB IT LI

DOCDB simple family (publication)

**WO 0061075 A1 20001019**; CA 2369903 A1 20001019; CA 2369903 C 20110517; EP 1165015 A1 20020102; JP 2002541167 A 20021203; MX PA01010162 A 20020730

DOCDB simple family (application)

**US 0006040 W 20000308**; CA 2369903 A 20000308; EP 00913808 A 20000308; JP 2000610408 A 20000308; MX PA01010162 A 20000308