

Title (en)  
IMPROVED POLYVINYLSILOXANE IMPRESSION MATERIAL

Title (de)  
VERBESSERTES POLYVINYLSILOXAN-ABDRUCKMATERIAL

Title (fr)  
MATERIAU A EMPREINTE AMELIORE AU POLYVINYLSILOXANE

Publication  
**EP 0986362 A2 20000322 (EN)**

Application  
**EP 98924981 A 19980529**

Priority  
• US 9810942 W 19980529  
• US 4790697 P 19970529

Abstract (en)  
[origin: WO9853791A2] 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 improved and includes a base component and a catalyst component. Both components are siloxane-based materials.

IPC 1-7  
**A61K 6/10**

IPC 8 full level  
**A61K 6/90** (2020.01)

CPC (source: EP)  
**A61K 6/90** (2020.01)

Citation (search report)  
See references of WO 9853791A2

Designated contracting state (EPC)  
CH DE FR GB IT LI

DOCDB simple family (publication)  
**WO 9853791 A2 19981203; WO 9853791 A3 19990415**; EP 0986362 A2 20000322; JP 2002515907 A 20020528

DOCDB simple family (application)  
**US 9810942 W 19980529**; EP 98924981 A 19980529; JP 50093599 A 19980529