

Title (en)

APPLICATOR FOR LIQUID DENTAL MATERIALS

Title (de)

APPLIKATOR FÜR FLÜSSIGE DENTATERIALIEN

Title (fr)

APPLICATEUR POUR MATERIAUX DENTAIRES LIQUIDES

Publication

**EP 1427347 A2 20040616 (EN)**

Application

**EP 02766077 A 20020822**

Priority

- US 0226919 W 20020822
- US 31432501 P 20010823

Abstract (en)

[origin: WO03017863A2] The specification describes an applicator for the treatment of teeth with small amounts of dental materials, such as polymerizable sealants and adhesives, prophylactic treatment materials and the like. The applicator is in the form of a disposable tube having an applicator brush at one end. The tube is fitted to an applicator head that facilitates drawing an amount of the material into the tube and the selected filling of the brush. The applicator may include an elongated member having an applicator head that contains a chamber enclosing a similarly-shaped resilient member. A closure fits over the end of the applicator head and serves to close off the base of the chamber and seal the peripheral edge of the resilient member to prevent leakage. The closure is provided with a smaller chamber which communicates with a channel extending out through the closure and adapted to receive the disposable tube. The channel is positioned at an angle to the main body of the applicator. The applicator is provided with a movable lever-operated piston that presses on the resilient member for drawing liquid into and dispensing liquid from a disposable tube after the same has been inserted into the applicator head.

IPC 1-7

**A61C 5/06**

IPC 8 full level

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CPC (source: EP)

**A61C 3/005** (2013.01); **A61C 5/60** (2017.01); **A61C 5/62** (2017.01); **B05C 17/00593** (2013.01); **B05C 17/00516** (2013.01)

Citation (search report)

See references of WO 03017863A2

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