

Title (en)
DISPENSER FOR DENTAL COMPOSITIONS

Title (de)
SPENDER FÜR DENTALE ZUSAMMENSETZUNGEN

Title (fr)
DISTRIBUTEUR DE COMPOSITIONS DENTAIRES

Publication
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Application
EP 06815712 A 20060928

Priority
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• US 72249505 P 20050929

Abstract (en)
[origin: WO2007041246A1] The present invention relates to an apparatus for providing specifically metered doses of at least two flowable dental materials in desired ratios to one another. In particular, the present invention allows for controlled metering and dispensing of two or more flowable dental substances which when subsequently mixed form a dental bonding composition, dental adhesive, dental cement, or other dental restorative or preparative materials. Specifically, one embodiment of the present invention utilizes a multi-rack system as well as a drive spring action to provide a substantial mechanical advantage to the user such that a relatively long throw of the dispensing button creates a relatively short, metered distance of movement of the multiple racks and corresponding pistons in the each lumen of a cartridge containing the component of the desired dental composition, allowing for small, metered doses of each flowable dental component to be dispensed from the apparatus in the proper proportions.

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Citation (search report)
• [XY] US 5755362 A 19980526 - RODRIGUEZ JR ALEX [US], et al
• [XY] US 5735437 A 19980407 - BROYLES BRUCE R [US], et al
• [XY] US 5722829 A 19980303 - WILCOX MALCOLM W [US], et al
• See references of WO 2007041246A1

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