

Title (en)

METHOD FOR PREPARING A MIXTURE CONSISTING OF AT LEAST TWO COMPONENTS AND MIXING CAPSULE

Title (de)

VERFAHREN ZUR HERSTELLUNG EINER MISCHUNG AUS WENIGSTENS ZWEI KOMPONENTEN UND MISCHKAPSEL

Title (fr)

PROCEDE DE PRODUCTION D'UN MELANGE CONSTITUE D'AU MOINS DEUX COMPOSANTS, ET CAPSULE DE MELANGE

Publication

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Application

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Abstract (en)

[origin: WO0045732A1] The invention relates to a mixing capsule (11) for separately storing and mixing two components (37, 41) and for dispensing a dental material mixed therein. A closed connecting element (29) located in a partition wall (25) between a first chamber (31) and a second chamber (33) is perforated with an activating pin (17) and the liquid component (37) is then conveyed from the first chamber (31) through the connection element (29) into the mixing chamber (33') containing the other component (41). The mixing chamber (33') can be enlarged to match the volume of the liquid component so that the initial pressure can be maintained or, preferably, a lower pressure level can be regulated in the mixing chamber (33'). The first chamber (31) is provided between a cylinder (13) and a perfectly fitting hollow piston (19) guided therein while the second chamber (33) is located inside the hollow piston (19). The volume of the first chamber (31) is negligible in relation to the length of the capsule (11) after both components (37, 41) have been combined and mixed. A greater amount of dental material can be produced in the capsule (11) while its dimensions remain the same, wherein said material is not subjected to an overpressure before it is squeezed out.

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