

Title (en)
SILOXANE CONTAINING MACROMONOMERS AND DENTAL COMPOSITES THEREOF

Title (de)
SILOXANHALTIGE MAKROMONOMERE SOWIE DENTALZUSAMMENSETZUNGEN DARAUS

Title (fr)
MACROMONOMERES CONTENANT DU SILOXANE ET COMPOSITES DENTAIRE DE CEUX-CI

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Abstract (en)
[origin: WO0108639A1] The invention concerns macromonomers of a molecular weight of at least $M \geq 500$ g/mol containing siloxane groups. The macromonomers are usable as polymerizable monomers in a dental/medical composite comprising further at least a polymerizable monomer, an organic or inorganic acid or an acidic monomer, a stabilizer, an initiator, pigments and an organic or inorganic filler. The dental/medical composite is usable as a dental restorative material for filling and restoring teeth, making inlays and onlays, for artificial teeth, for sealing and surface modification materials, usable as temporary crown and bridge material. Furthermore, the macromonomers are usable for filler surface modification, as precursors for siloxane condensation products or as precursor for preparation of nanoparticles containing active polymerizable moieties.

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