

Title (en)

DENTAL COMPOSITE MATERIAL AND MILL BLANKS CONSISTING OF SAID COMPOSITE MATERIAL

Title (de)

DENTALES KOMPOSITMATERIAL SOWIE FRÄSROHLINGE DIESES KOMPOSITMATERIALS

Title (fr)

MATÉRIAU COMPOSITE DENTAIRE ET ÉBAUCHES À FRAISER DE CE MATÉRIAU COMPOSITE

Publication

**EP 3654924 A2 20200527 (DE)**

Application

**EP 18783399 A 20181001**

Priority

- DE 102017123006 A 20171004
- EP 2018076590 W 20181001

Abstract (en)

[origin: WO2019068611A2] The invention relates to a polymerizable dental composite material which comprises (i) 70 to 85 wt.% of at least one inorganic filler component comprising at least one dental glass and optionally at least one amorphous metal oxide, (ii) 10 to 30 wt.% of a mixture of at least two different urethane (meth)acrylates, (iii) 0.01 to 5 wt.% of at least one di-, tri-, tetra- or multi-functional monomer different from urethane (meth)acrylate, and (iv) 0.01 to 10 wt.% of at least one initiator, initiator system and optionally at least one stabilizer and optionally at least one pigment, the total composition of the composite material adding up to 100 wt.%. The invention also relates to a polymerized composite material having a flexural strength of greater than or equal to 200 MPa and an elastic modulus of 15 to 20 GPa for the production of indirect dental prostheses.

IPC 8 full level

**A61K 6/00** (2020.01); **A61K 6/884** (2020.01); **A61K 6/893** (2020.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2019068611A2

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