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(54) **DENTAL CURABLE COMPOSITION CONTAINING PARTICLES WITH DIFFERENT REFRACTIVE INDEXES**

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CPC ..... ***A61K 6/083*** (2013.01); ***A61K 6/0005*** (2013.01); ***A61K 6/007*** (2013.01); ***A61K 6/0008*** (2013.01); ***A61K 6/0023*** (2013.01); ***A61K 6/0091*** (2013.01)

(58) **Field of Classification Search**
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See application file for complete search history.

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(57) **ABSTRACT**

A single-paste, self-adhesive dental curable composition that has strong self-adhesion to biological hard tissues (such as enamel and dentin of teeth) and good color tone adaptability suitable for use for aesthetic restoration is provided. A dental curable composition contains: an inorganic particle (A) with an average grain size in the range of 0.1 to 50 μm; an inorganic particle (B) with an average grain size in the range of 0.1 to 50 μm; a polymerizable monomer (C); and a polymerization catalyst (D). The refractive index na of the inorganic particle (A) and the refractive index nb of the inorganic particle (B) meet the relationship of na>nb. A cured resin material (E), which is obtained by curing a polymerizable composition containing the polymerizable monomer (C) and the polymerization catalyst (D), has a refractive index ne that meets the relationship (1):

$$0 \leq |na-ne| < 0.01 \leq ne-nb \leq 0.05 \quad (1).$$

**4 Claims, No Drawings**