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Ikushima et al.

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[54] **DENTAL MATERIAL**

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[57] **ABSTRACT**

[21] Appl. No.: **845,906**

A dental material comprising a porous ceramics formed into an artificial tooth, an inlay, an onlay, a crown, a crown bridge or into a block shape suitable for CAD/CAM, sintered, having communicating holes, and impregnated with a resin. A porous ceramics formed from a network-forming oxide is applicable, and an intermediate oxide and a network-modifying oxide may also be adopted. The porous ceramics should preferably have a porosity within a range of from 0.5 to 70%. The resin should preferably a polymer of a monomer and/or oligomer containing at least an ethylenic double bond. Prior to impregnation of the porous ceramics with the resin, the porous ceramics should preferably be subjected to a coupling treatment.

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[51] **Int. Cl.⁶** **C08K 3/34**; A61K 6/08

[52] **U.S. Cl.** **523/116**; 523/115; 524/264; 524/176; 524/443; 524/450; 501/81; 501/66; 501/68

[58] **Field of Search** 523/115, 116; 524/443, 450, 264, 176; 501/81

[56] **References Cited**

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26 Claims, 1 Drawing Sheet