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(71) Applicant: **AGENCY FOR SCIENCE, TECHNOLOGY AND RESEARCH** [SG/SG]; 1 Fusionopolis Way, #20-10, Connexis North, Singapore 138632 (SG).

(72) Inventors: **WANG, FuKe**; c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG). **CHEE, Heng Li**; c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG). **THITSARTAN, Warintorn**; c/o Institute of Materials Research and Engineering, 2 Fusionopolis Way, #08-03, Innovis, Singapore 138634 (SG).

(74) Agent: **CSASIA IP PTE. LTD.**; 47 Scotts Road, #13-03, Goldbell Towers, Singapore 228233 (SG).

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(54) Title: PRINTABLE WAX, METHOD OF PRINTING, AND METHOD FOR FLOW VISCOSITY CONTROL

(57) Abstract: The present disclosure relates to a method of preparing a printable wax with an improved viscosity for use in 3D printing in dentistry. The method comprises heating a dental wax, adding a copolymer or a surface modified nano filler to the dental wax in an effective amount to tune the flow viscosity of the dental wax to a desired viscosity while the dental wax is still heated; subjecting the dental wax to vigorous stirring to disperse the copolymer or the surface modified nano filler well in the dental wax; and allowing the dental wax to cool down, resulting in a printable wax with improved viscosity for fast 3D printing.

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