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(54) Title: 3D PRINTABLE RESIN COMPOSITIONS

(57) Abstract: This invention relates to a resin composition comprising at least one of a first monomeric or oligomeric component (A), at least one of a second monomeric or oligomeric component (B) and a photoinitiator. This invention also relates to a method of preparing a polymer from the resin composition, a polymer prepared from the resin composition, a method of forming a 3-dimensional printed article, and a kit comprising at least one of a first monomeric or oligomeric component (A), at least one of a second monomeric or oligomeric component (B) and a photoinitiator. Advantageously, the functional groups in the first monomeric or oligomeric component (A) of the resin composition disclosed herein have a higher reactivity than the functional groups in the second monomeric or oligomeric component (B), which results in the first monomeric or oligomeric component (A) polymerizing faster than the second monomeric or oligomeric component (B) upon exposure of the resin composition to light.



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