Additive Printing of Bonded Magnets Using Magnet Powders and a Polymer Composition

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Technology Summary

Methods of three-dimensional printing an object can include forming an object using a coreactive printing composition that is produced from a mixture of at least two coreactive components having coreactive functional groups wherein at least one of the coreactive components comprises a saturated functional group along with hard or soft magnetic powders. Also included within the scope of the present disclosure is a printed three-dimensional object formed from layers of a coreactive printing composition produced from at least two coreactive components along with hard or soft magnetic powders. We have successfully fabricated bonded magnets with magnet powders in a polymer composition.

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