SOFT MAGNETIC COMPOSITES

Abstract

The present disclosure generally relates to a soft magnetic composite (100) and a method (200) of manufacturing the soft magnetic composite (100). The soft magnetic composite (100) comprises composite elements (102) that are fused together. The composite elements (102) comprise: magnetic microparticles (104) formed of a soft magnetic material; and additive objects (106) deposited on the magnetic microparticles (104), the additive objects (106) being smaller than the magnetic microparticles (104), wherein the soft magnetic composite (100) is formed by an additive manufacturing process that fused the composite elements (102) together.

Figure 1A