

ELECTROMAGNETIC INTERFERENCE SHIELDING COATING COMPOSITION AND METHOD OF MANUFACTURING THEREOF

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ABSTRACT

An electromagnetic interference shielding coating composition is provided. The electromagnetic interference shielding coating composition includes a) about 1 wt% to about
10 30 wt% of a electromagnetic interference absorbing filler consisting essentially or consisting of multi-walled carbon nanotubes; b) about 5 wt% to about 40 wt% of a solvent, a dispersant and at least one additive; and c) about 30 wt% to about 94 wt% of a polymeric carrier matrix. Wt% of the components in the composition add up to 100 wt% and is calculated based on total weight of the electromagnetic interference shielding coating composition. A method of
15 manufacturing the composition, and a method of reducing electromagnetic interference to an article are also provided.