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(54) Title of the invention : DEVELOPMENT OF HYBRID NANOCOMPOSITES BASED RADAR ABSORBING MATERIALS AND PROCESS OF PREPARATION THEREOF

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(57) Abstract :

The present invention relates to the preparation of hybrid nanocomposites based RADAR absorbing materials and is associated with the development of hybrid nanocomposites using silver nanoparticles, Ferrite and Boron Nitride mixed with Epoxy matrix. The maximum reflection loss of -32.16 dB with 1-15% Ag-NPs coated composite were achieved. An enhanced reflection loss has been achieved with an increase in Ag-NPs percentage.

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