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(54) Title: CORROSION PROTECTION FOR METALLIC SUBSTRATES

(57) Abstract: A composition suitable for coating a metallic substrate that is susceptible to corrosion is disclosed. The composition comprises a carrier medium and graphene platelets in which the graphene platelets comprise between 0.002 wt% and 0.09 wt% of the coating, and the graphene platelets comprise one of or a mixture of two or more of graphene nanoplates, bilayer graphene nanoplates, few-layer graphene nanoplates, and / or graphite flakes in which the graphite flakes have one nanoscale dimension and 25 or less layers.

WO 2019/155201 A1