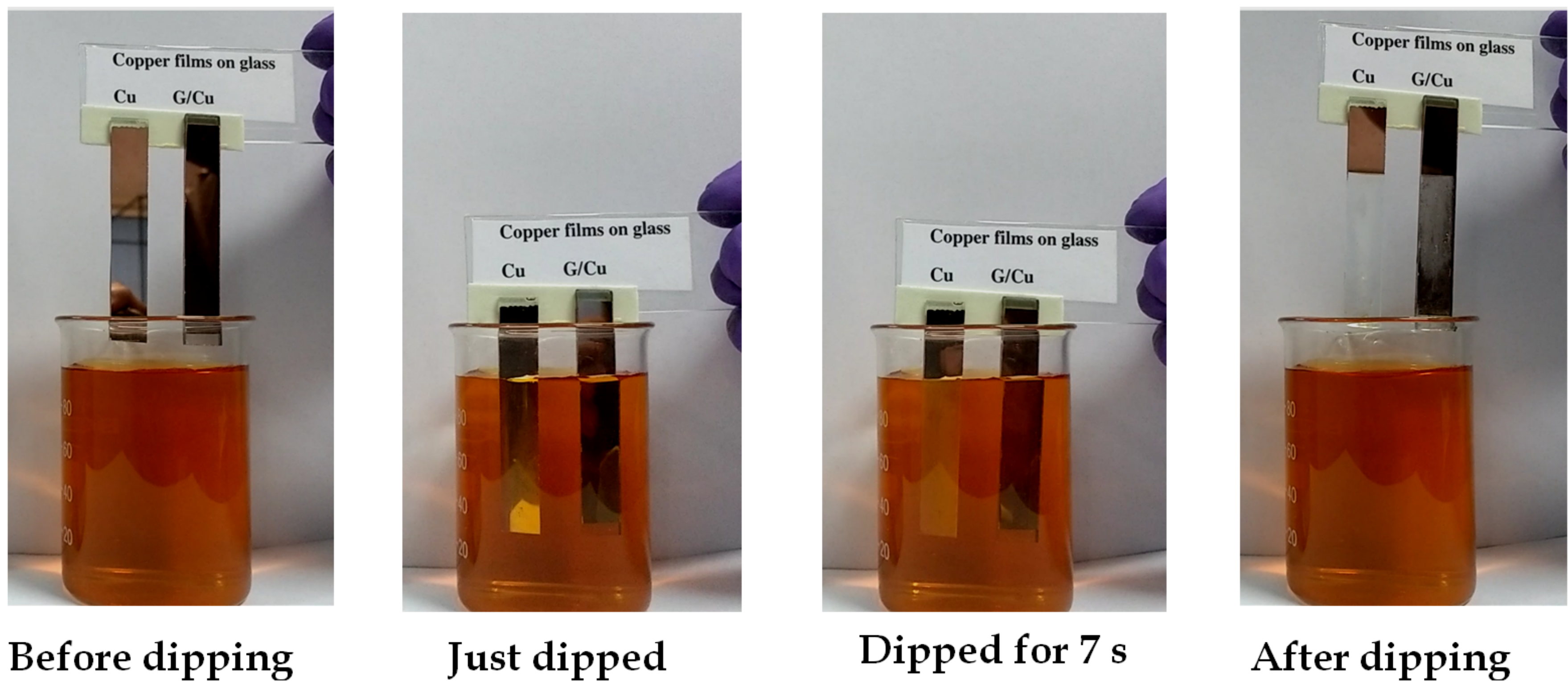


Corrosion Protective coating for copper



Protective coatings against corrosion extend the life of metal components in applications. Reactive metals such as copper are often coated with polymer to prevent surface oxidation and weathering, in general. Among the advanced coating materials, graphene is promising. It is extremely thin two dimensional layer impermeable to molecules.

In the present invention, copper surface have been coated with graphene produced via thermal decomposition of a natural hydrocarbon.



Graphene coated copper exhibits extraordinary ability to withstand standard etching conditions.

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