ABSTRACT

PLASMA DEPOSITION METHOD FOR CATECHOL/QUINONE FUNCTIONALISED LAYERS

The invention provides a solvent-free plasma method for depositing an adherent catechol and/or quinone functionalised layer to an inorganic or organic substrate from a precursor which comprises at least a quinone group; a protected or unprotected catechol group; a molecule substituted by a quinone group and/or a protected or unprotected catechol group; and/or a natural or synthetic derivative of a catechol group and/or a quinone group; wherein the quinone group is a 1,2- benzoquinone group and the catechol group is a 1,2-dihydroxybenzene group.

Figure 1