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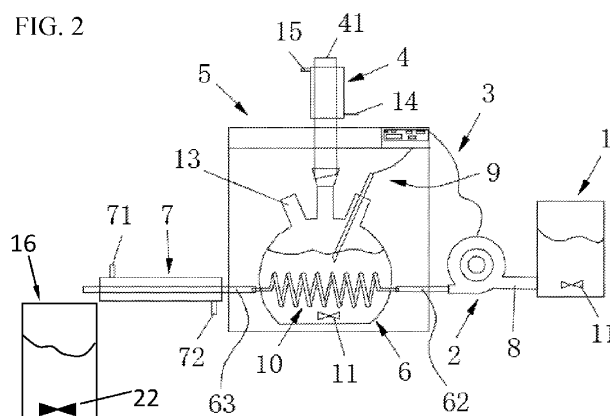
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(54) Title: METHOD FOR FORMING NOBLE METAL NANOSTRUCTURES ON A SUPPORT

FIG. 2



(57) Abstract: The disclosure provides a method for forming noble metal nanostructures on a support. The method comprises mixing one or more noble metal precursor with a first solvent and a base to obtain a noble metal precursor solution; feeding the noble metal precursor solution to a spiral tube reactor; heating the spiral tube reactor containing the noble metal precursor solution to reduce the one or more noble metal precursor to obtain noble metal nanostructures; and mixing a support ink with the noble metal nanostructures obtained after heating, wherein the support ink comprises a second solvent, the support and an ink acid. There are also provided noble metal nanostructures on a support and a use thereof as an electro-catalyst in an electrode for fuel cell applications.