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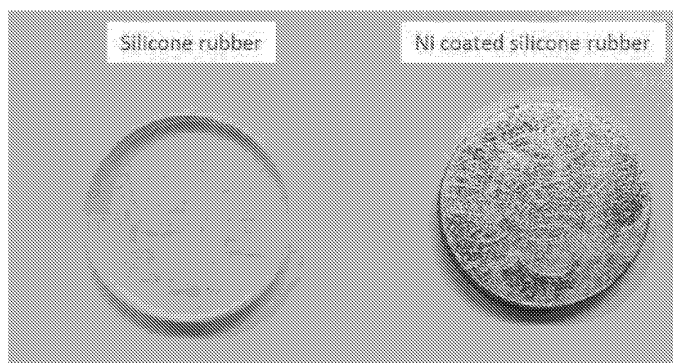
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FIG. 3



(57) Abstract: According to the present disclosure, a method for coating nickel on an organosiloxane polymer wherein the said method comprises the steps of; forming a transition metal oxide on the organosiloxane polymer; etching the transition metal oxide with a basic solution; contacting the organosiloxane polymer comprising the etched transition metal oxide with an aqueous solution comprising a positively charged species to attach the positively charged species on the etched transition metal oxide; depositing a metal catalyst on the positively charged species; and treating the metal catalyst with an acidic solution to develop an activated organosiloxane polymer before transferring the activated organosiloxane polymer to a solution comprising nickel and/or nickel derivatives. A nickel organosiloxane composite is provided herein comprising a transition metal oxide layer and a positively charged species attached on the said oxide layer with nickel coated in the said positively charged species.

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