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(54) Title: RUTHENIUM-BASED ELECTROCATALYST FOR OXYGEN EVOLUTION IN ACIDIC MEDIA

(57) Abstract: A ruthenium-based electrocatalyst for oxygen evolution
in acidic media is provided. The ruthenium-based electrocatalyst compris-
es ruthenium oxychloride species having a general formula RuOCl_y dis-
persed in a manganese oxide support having a general formula MnO_x . A
method of preparing the ruthenium-based electrocatalyst is also provided.

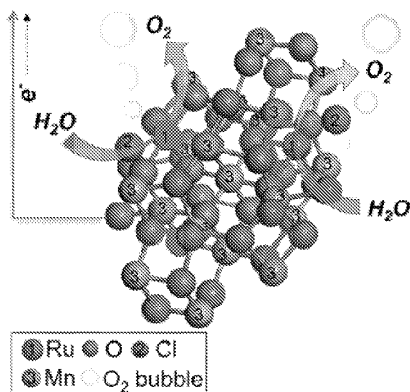


FIG. 2

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