

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202341090164 A

(19) INDIA

(22) Date of filing of Application :30/12/2023

(43) Publication Date : 26/01/2024

(54) Title of the invention : A METHOD FOR PREPARING A BIO-BASED CORROSION INHIBITOR COMPOSITION FOR IRON METAL SUBSTRATE AND METHOD THEREOF

<p>(51) International classification :A61K0036896200, C23F0011100000, C11D0001660000, C09D0005080000, C09K0008540000</p> <p>(86) International Application No :NA Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA Filing Date :NA</p> <p>(62) Divisional to Application Number :NA Filing Date :NA</p>	<p>(71)Name of Applicant : <b>1)Andhra University</b> Address of Applicant :Andhra University, Waltair, Visakhapatnam – 530003, Andhra Pradesh, India. Visakhapatnam -----</p> <p><b>Name of Applicant : NA</b> <b>Address of Applicant : NA</b></p> <p>(72)Name of Inventor : <b>1)Bandela Sowjanya</b> Address of Applicant :Research Scholar, Department of Chemical Engineering, Andhra University, Waltair, Visakhapatnam-530003, Andhra Pradesh, India Visakhapatnam -----</p> <p><b>2)Dr. Pulipati King</b> Address of Applicant :Professor, Department of Chemical Engineering, Andhra University, Waltair, Visakhapatnam-530003, Andhra Pradesh, India Visakhapatnam -----</p> <p><b>3)Dr. Meena Vangalapati</b> Address of Applicant :Professor, Department of Chemical Engineering, Andhra University, Waltair, Visakhapatnam-530003, Andhra Pradesh, India Visakhapatnam -----</p>
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(57) Abstract :

ABSTRACT: Title: A Method for Preparing a Bio-Based Corrosion Inhibitor composition for Iron Metal Substrate and Method Thereof The present disclosure proposes a method for preparing a composition of allium sativm and allium cepa skins extract as the green corrosion inhibitor for iron metal in a sulphuric acid environment, thereby reducing environmental impact and offering cost-effective protection for iron assets. The proposed a method for preparing a bio-based corrosion inhibitor composition for iron metal bio-based corrosion inhibitor composition that provides green inhibitors for corrosion industry through safety, biodegradability, ecological acceptability, and renewability. The proposed a method for preparing a bio-based corrosion inhibitor composition for iron metal bio-based corrosion inhibitor composition that reduces environmental impact and offering cost-effective protection for iron assets. The proposed a method for preparing a bio-based corrosion inhibitor composition for iron metal bio-based corrosion inhibitor composition that utilises the availability of bio-waste to promote resource recovery and sustainability.

No. of Pages : 27 No. of Claims : 6