

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 47/2021
ISSUE NO. 47/2021

शुक्रवार
FRIDAY

दिनांक: 19/11/2021
DATE: 19/11/2021

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : EFFECT OF STEEL ON REINFORCEMENT CORROSION

<p>(51) International classification :H01M0002020000, C04B0028020000, C08L0063000000, C04B0041500000, C04B0007520000</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 : 1)Dr. R. Subashchandrabo Address of Applicant :Associate Professor, Department of Civil Engineering, ACS College of Engineering, Bangalore, Karnataka- 560074 ----- 2)Dr.P.Prasath 3)Dr. D. Bhuvaneswari 4)Dr. P. Loganathan 5)Dr.K.M.Gopalakrishnan 6)Mr. S. Lokesh 7)S.Jagadeesh 8)Mr. J.Arun Prasad 9)Mrs. A.Fathima Darras Gracy 10)Mrs.S.Mary Rebekah Sharmila Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Dr. R. Subashchandrabo Address of Applicant :Associate Professor, Department of Civil Engineering, ACS College of Engineering, Bangalore, Karnataka- 560074 ----- 2)Dr.P.Prasath Address of Applicant :Professor & Head, Department of Civil Engineering, Muthayammal College of Engineering,Kakkaveri, Rasipuram, Tamil Nadu- 637408 ----- 3)Dr. D. Bhuvaneswari Address of Applicant :Assistant Professor,Department of Civil engineering,RVSTechnicalcampus KumaranKottamCampus, Kannampalayam, Coimbatore – 641 402 ----- 4)Dr. P. Loganathan Address of Applicant :Associate Professor, Al-Ameen Engineering College (Autonomous), Nanjai uthukuli post,Erode-638104 ----- 5)Dr.K.M.Gopalakrishnan Address of Applicant :Associate Professor, Erode Sengunthar Engineering College (Autonomous), Erode - Perundururai Rd, Post, Thuduppathi, Tamil Nadu- 638057 --- ----- 6)Mr. S. Lokesh Address of Applicant :Assistant Professor, Department of Civil Engineering, P.S.V College of Engineering &Technology Mittapalli, Balinayanapalli, Elathagiri (PO) Krishnagiri District, Tamil Nadu-635108 ----- 7)S.Jagadeesh Address of Applicant :Partner, Brahmaas No72, Padakke gounder second street, Ondipudur Coimbatore , - 641016 ----- 8)Mr. J.Arun Prasad Address of Applicant :Assistant Professor, Erode Sengunthar Engineering College (Autonomous), Erode - Perundururai Rd, Post, Thuduppathi, Tamil Nadu- 638057 --- ----- 9)Mrs. A.Fathima Darras Gracy Address of Applicant :Assistant Professor, Erode Sengunthar Engineering College (Autonomous), Erode - Perundururai Rd, Post, Thuduppathi, Tamil Nadu- 638057 --- ----- 10)Mrs.S.Mary Rebekah Sharmila Address of Applicant :Assistant professor, SRM Institute of Science and Technology, Katakulathur, Tamil Nadu- 603203 -----</p>
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(57) Abstract :

[018] This work examines the category of specimens III, which includes 12 prismatic reinforced plaster specimens of dimensions 80 × 80 × 100 mm, with 4 steel reinforcements of concrete, either S220, or S400 or S500s, diameter 12 mm and height 100 mm, made with a constant ratio cement: fine castor: water 1: 3: 0.85. The S220 steels were smooth, while the S400 and S500s were neuro steels with prominent, embossed ribs. CEM II / B-M 32.5 cement was used and the specimens were coated with an inorganic coating based on white (Y coating).

No. of Pages : 23 No. of Claims : 3