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पेटेंट कार्यालय का एक प्रकाशन
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(54) Title of the invention : EXPERIMENTAL INVESTIGATION AND EFFECTS OF BIOMEDICAL IMPLANTS ON HUMAN BODY BY IN VITRO CORROSION STUDIES

<p>(51) International classification :A61F0002300000, A61L0027340000, G06Q0050220000, A61F0002380000, A61L0027500000</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. Vaibhav Trivedi Address of Applicant :Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>2)Mr. Kuldeep Dubey 3)Mr. Mohammad Javed 4)Mr. Mayank Bharadvaj 5)Mr. Prashant Kumar 6)Mr. Vivek Shankhdhar Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Dr. Vaibhav Trivedi Address of Applicant :Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>2)Mr. Kuldeep Dubey Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>3)Mr. Mohammad Javed Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>4)Mr. Mayank Bharadvaj Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>5)Mr. Prashant Kumar Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p> <p>6)Mr. Vivek Shankhdhar Address of Applicant :Assistant Professor, Department of Mechanical Engineering, IFTM University, Moradabad, Uttar Pradesh, Pin Code: 244102 Moradabad -----</p>
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(57) Abstract :

The invention relates to the preventing us from engaging in any physical activities. A comparative investigation and its impact on biomedical implants, as well as certain clinical and other test data like in vitro corrosion studies obtained after the implants have been removed from the human body. Two conditions have been taken i.e. one is at the time of implant fixation in the human body and second is at the time when the implant is explanted from the human body after number of years. The implant is a replacement of the fracture or damaged part and it performs the function like original or replaced part. In this study we have investigated many factors which affect the life of implant and the problems which a person faces after the fixation of the implant. The selection of the implant is based on the compatibility with the human body.

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