(54) Title of the invention : A MACHINE LEARNING BASED SYSTEM FOR AUTOMATED BEHAVIORAL STATE CLASSIFICATION IN RATS (ORGANISM) AND METHOD THEREOF

(51) International classification :G06N0020000000, G06Q0050000000, A61B0005000000, A61P0025000000, A61B0005110000 (86) International Application No :PCT// Filing Date :01/01/1900 (87) International Publication No : NA (61) Patent of Addition to Application Number :NA Filing Date :NA (62) Divisional to Application Number :NA Filing Date :NA	(71)Name of Applicant : 1)Sayan Nath Address of Applicant :Assistant Professor, Department of CSE, Brainware University, Kolkata ----------- ----------- 2)Satyajee Srivastava 3)Sushil Kumar Mishra 4)Priya Jyotiyana 5)Tanya Shruti 6)Ramesh Vaishya 7)Dr. S. Saravanan Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Sayan Nath Address of Applicant :Assistant Professor, Department of CSE, Brainware University, Kolkata ----------- ----------- 2)Satyajee Srivastava Address of Applicant :Professor, School of Computing, University of Engineering and Technology, Roorkee- -247667, Uttarakhand, India ------ ----- ----------- 3)Sushil Kumar Mishra Address of Applicant :Assistant Professor, Computer Science and Engineering, Chandigarh University, Punjab 140413 ----------- ----------- 4)Priya Jyotiyana Address of Applicant :Assistant Professor, Computer Science and Engineering, Jaipur Engineering College and Research Centre, Jaipur, Rajasthan ----------- ----------- 5)Tanya Shruti Address of Applicant :Assistant Professor, Department of Information Technology, D Y Patil College of Engineering, Akurdi, Pune, Maharashtra ----------- ----------- 6)Ramesh Vaishya Address of Applicant :Assistant Professor, Computer Science and Engineering, Babu Banarasi Das Institute of Technology & Management, Lucknow ----------- ----------- 7)Dr. S. Saravanan Address of Applicant :Assistant Professor, Department of Ccommerce, Dr. Ambedkar Government Arts College, Vyasarpadi, Chennai-39, Tamil Nadu ----------- -----------

(57) Abstract :