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<p>(51) International classification :G06F0003010000, G02B0027010000, G06T0019000000, A61B0003113000, G08B0021180000</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 :</p> <p><b>1)Chitkara University</b> Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>2)Chitkara Innovation Incubator Foundation</b> Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p><b>1)SINGH, Gurjinder</b> Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- ---</p> <p><b>2)SINGH, Thakur Gurjeet</b> Address of Applicant :Chitkara College of Pharmacy, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala -----</p> <p><b>3)SALUJA, Nitin Kumar</b> Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- ---</p> <p><b>4)SINGH, Narinder Pal</b> Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- ---</p> <p><b>5)GHOSH, Debarshi</b> Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- ---</p> <p><b>6)KAUR, Rashpinder</b> Address of Applicant :Department of Electronics and Communication Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- ---</p> <p><b>7)ANJALI</b> Address of Applicant :Chitkara University Research and Innovation Network, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- ---</p>
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(57) Abstract :  
 The present disclosure discloses a virtual reality system 100 for monitoring behaviour of a rodent. The system includes an assembly 102 to hold the rodent while an experiment being performed on the rodent. A panoramic display device 112 is provided in a pre-defined area of the assembly to display a set of contents in a virtual reality environment, and movement, eye gaze, and brain dynamics of the rodent are analysed during experiment to determine and a processor 116 is configured to determine behaviour and pharmacological parameters of the rodent during experiment. Further, the determined information is stored on a server 212, thus enabling researcher to extract further details from the received information.

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