

(54) Title of the invention : REAL TIME MONITORING ENABLED – POLE CLIMBING APPARATUS

<p>(51) International classification :A01K0001030000, H04N0005225000, A01K0029000000, H04N0005770000, A01K0067027000</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)VEDANT GARG Address of Applicant :Jayoti Vidyapeeth Women’s University, Vedaant Gyan Valley, Village-Jharna, Mahala Jobner Link Road, Jaipur Ajmer Express Way, NH-8, Jaipur-303122, Rajasthan (INDIA) -----</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)Jv’n Dr. Dharmendra Ahuja Address of Applicant :University Campus Jayoti Vidyapeeth Women’s University, Vedaant Gyan Valley, Village-Jharna, Mahala Jobner Link Road, Jaipur Ajmer Express Way, NH-8, Jaipur-303122, Rajasthan (INDIA) Jaipur -----</p> <p>2)Jv’n Amandeep swami Address of Applicant :University Campus Jayoti Vidyapeeth Women’s University, Vedaant Gyan Valley, Village-Jharna, Mahala Jobner Link Road, Jaipur Ajmer Express Way, NH-8, Jaipur-303122, Rajasthan (INDIA) Jaipur -----</p>
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(57) Abstract :

The Pole climbing camera-integrated double buzzer equipment is used for behavioral testing in rodents and is useful for evaluating the antipsychotic effects of pharmacological agents and defining brain regions and mechanisms underlying fear-related behavior, and also includes a high-resolution camera for time real monitoring and recording of movements and flicks of the rodent in the chamber. The Pole climbing camera-integrated equipment is used to evaluate medications used to treat anxiety. This is a model of fear in rodents and will be representative of those tests based on the study of spontaneous behavior patterns. The model is based on the animal's aversion to open spaces. In the Pole climbing equipment integrated in the camera, this fear is expressed by the fact that the animal spends more time on the pole and climb to more height when buzzer is sound two times. Briefly, the rodent is placed in the chamber, facing double buzzer sound, and the observer records the activity of the rodent in double buzzer sound simultaneously for 5 minutes. Other ethological parameters (e.g., back, head tilt, and upright posture) are also observed using an integrated camera. An increase (duration and / or inputs) reflects behavior which is monitored by an integrated camera.

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