

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202411082872 A

(19) INDIA

(22) Date of filing of Application :29/10/2024

(43) Publication Date : 15/11/2024

(54) Title of the invention : CARRIER INSTALLATION DEVICE FOR BICYCLES

(51) International classification :B62J7/00, B62J7/02, G06T7/00,  
G06V10/00, B62J11/00  
(86) International Application No :NA  
Filing Date :NA  
(87) International Publication No : NA  
(61) Patent of Addition to  
Application Number :NA  
Filing Date :NA  
(62) Divisional to Application :NA  
Number :NA  
Filing Date :NA

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(57) Abstract :

A carrier installation device for bicycles, comprising a frame 1 including a pair of rods 3 developed to be installed on a seat and chain stay of a bicycle, a platform 4 installed on rods 3 at a rear portion of bicycle wherein platform 4 is configured with multiple bars arranged in a mesh type arrangement, an artificial intelligence enabled image capturing module 5 integrated with a processor mapped on frame 1 determining dimension of commodities, an extendable C-shaped covering unit 6 integrated with platform 4 via motorized hinges wherein soon after commodities are properly accommodated on platform 4 as monitored through image capturing module 5 microcontroller directs hinges to deploy covering unit 6 over platform 4 to secure commodities from falling down.

No. of Pages : 14 No. of Claims : 3