(12) PATENT APPLICATION PUBLICATION
(19) INDIA
(22) Date of filing of Application :12/11/2022

(21) Application No.202211064927 A
(43) Publication Date : 02/12/2022

(54) Title of the invention : CYCLING ASSISTIVE DEVICE

(51) International classification :B62J0001080000, B62J0001000000, B62J0001280000, F21V0008000000, B62J0011000000
(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 Number :NA
Filing Date :NA

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(57) Abstract :
A cycling assistive device comprising a frame 1 having a first and second end 2, 3, a clamping unit 4 positioned at first end 2 to attach frame 1 with seat post of a bicycle, a seat 5 is configured with second end 3 for accommodating a user at a rear side of a rider, an image-capturing module 6 positioned on frame 1 for detecting location of rear wheel, a pair of rods 7 assembled with a pair of clamps 8 are configured to frame 1 for providing support to frame 1, a bar 9 attached with gear 10 is arranged to frame 1 for engaging gear 10 with chain of bicycle, a pair of paddles 11 integrated to gear 10 via a pair of axle 12 for assisting rider in riding bicycle and a motion sensor installed on chain gear 10 for detecting stoppage of paddling by rider.

No. of Pages : 14 No. of Claims : 4

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