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(31) Priority Document No	:NA	(72) Name of Inventor :
(32) Priority Date	:NA	1)Kuldeepak Saini
(33) Name of priority country	:NA	2)Arvind Kumar
(86) International Application No	:NA	3)Pardeep Kumar
Filing Date	:NA	4)Sarabjit Singh
(87) International Publication No	: NA	5)Kushdeep Singh
(61) Patent of Addition to Application	:NA	6)Anikate Gupta
Number	:NA	7)Sagar Singh
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(57) Abstract :

The present invention relates to an automated object loading device comprises of a frame 1 having a first and second side, a pole 2 having lead screw arrangement 3 is fixed at each side of the frame 1 to modify the height of the frame 1, an artificial intelligence based image capturing module 4 mounted over the frame 1 to detect the shape and size of the object, a primary and secondary telescopic-claws 5, 6 attached individually on each of poles 2 via slider 7 to grasp and lift the object, primary-telescopic-claws 5 fabricated with multiple rods 8 that gets fixed in slots 9 carved on secondary-telescopic-claw 6 to lock object and a motorized ball and socket joint that is integrated amid each of the telescopic claws 5, 6 and slider 7 to assist in placing object inside vehicle.

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