(12) PATENT APPLICATION PUBLICATION

(21) Application No.202211064162 A

(19) INDIA

(22) Date of filing of Application :10/11/2022

(43) Publication Date: 25/11/2022

(54) Title of the invention: OBJECT LIFTING DEVICE

(51) International classification	:G01N0017040000, H01L0021670000, G06F0001160000, G06K0007140000,	(71)Name of Applicant : 1)Jaipur National University
	G03B0017560000	Address of Applicant :Jaipur-Agra Bypass, Near New RTO
(86) International	:NA	office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur
Application No	:NA	
Filing Date	.1471	Name of Applicant : NA
(87) International	: NA	Address of Applicant : NA
Publication No		(72)Name of Inventor:
(61) Patent of Additio	$n_{\cdot NIA}$	1)Ravi Prakash Upadhyai
to Application Number :NA	er NA	Address of Applicant :School of Engineering & Technology,
Filing Date	:NA	Jaipur National University, Jaipur-Agra Bypass, Near New RTO
(62) Divisional to Application Number Filing Date	:NA	office, Jagatpura, Jaipur-302017, Rajasthan, India. Jaipur
	:NA	

(57) Abstract:

An object lifting device, comprises of a frame 1 having a first and second portion 2, 3, a C-shaped base 5 arranged with wheels 6 for providing stability to frame 1 on surface, a display panel 4 for allowing to input details regarding type and nature of object that is to be lifted, an imaging unit 7 for capturing images of object, a lifting arrangement 8 to lift object, a weight sensor for detecting placement of object, a speaker 10 to notify user to adjust positioning of frame 1, a handle to adjust the frame 1, a corrosion sensor for detecting corroded surface on object, a motorized scrubber 12 to remove corrosion from the object, links for positioning the scrubber 12 on the surface for scrubs the surface, a photoelectric sensor for detecting color of the object and an electronic nozzle 13 with a multi-sectioned chamber 14 stored with colors.

No. of Pages: 16 No. of Claims: 7

M

Registrar

Jaipur National University