

पेटेंट कार्यालय
शासकीय जर्नल

**OFFICIAL JOURNAL
OF
THE PATENT OFFICE**

निर्गमन सं. 46/2021
ISSUE NO. 46/2021

शुक्रवार
FRIDAY

दिनांक: 12/11/2021
DATE: 12/11/2021

पेटेंट कार्यालय का एक प्रकाशन
PUBLICATION OF THE PATENT OFFICE

(54) Title of the invention : ROBOT ASSISTANT SYSTEM TO REDUCE MANUAL EFFORTS AND PERFORM MULTIPLE ACTIVITIES IN REAL-TIME

<p>(51) International classification :B64C0039020000, B25J0019000000, B25J0009000000, B25J0011000000, B25J0005000000</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)Sk Yeswanth Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 2)B Ganesh Prasad 3)C.Chandra Pavanewara Reddy 4)Archana Bathula 5)Dr M Nagaraju Naik 6)Dr. V. A. Narayana 7)ENV Purnachander Rao 8)P. Raveendra Babu 9)B. Chakradhar 10)E Sammaiah Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)Sk Yeswanth Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 2)B Ganesh Prasad Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 3)C.Chandra Pavanewara Reddy Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 4)Archana Bathula Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 5)Dr M Nagaraju Naik Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 6)Dr. V. A. Narayana Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 7)ENV Purnachander Rao Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 8)P. Raveendra Babu Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 9)B. Chakradhar Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India ----- 10)E Sammaiah Address of Applicant :CMR College of Engineering & Technology, Kandlakoya, Medchal Road, Hyderabad, Telangana, India -----</p>
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(57) Abstract :
Exemplary embodiments of the present disclosure directed towards a robotic assistant system to reduce manual efforts and perform multiple activities in real-time, comprising: at least one box configured to hold at least one robotic body, the at least one robotic body comprises a plurality of brushless motors with encoders for each motor, the robotic body is controlled by user voice commands; the at least one robotic body comprises at least two robotic arms configured to turn 360o allow for articulated and interpolated movement to any point within the working envelope; and at least one width board configured to cover the box, a computing device, batteries, an electronic speed controller placed inside the box, the width board comprises a camera depth sensor, a hall sensor, and a lidar sensor, the computing device configured to process data and control a plurality of motors of the at least one robotic arm. FIG. 1

No. of Pages : 19 No. of Claims : 3