

(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :25/09/2022

(21) Application No.202241054863 A

(43) Publication Date : 07/10/2022

(54) Title of the invention : SMART ROBOTIC BASED FOR TOTAL QUANTITY AND QUALITY MANAGEMENT OF PRODUCTS IN MANUFACTURING UNITS

(51) International classification :G06Q0010060000, C07K0016240000, G05B0019418000,
A61K0039395000, C12N0015100000
(86) International Application No :PCT//
Filing Date :01/01/1900
(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

(71)Name of Applicant :
1)R. SENTHIL KUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL
ENGINEERING, SRI SAI RAM ENGINEERING COLLEGE, CHENNAI - 600044 Chennai -----

2)JEXTA ARUL BINULIN V I
3)S.PRIYA
4)Dr. SP. PRABHAKARAN
5)KHALANDAR AZAD
6)PROF. RATNAKAR LANDE
7)B.SAI VENKATA KRISHNA
8)K LINGAMURTHY
9)REVATHI S.
10)Mr. A. CRUZ THIVAGARAN
11)PROF.Dr MANIKANDAN K
12)Dr. BHASKER PANT
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
1)R. SENTHIL KUMAR
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING,
SRI SAI RAM ENGINEERING COLLEGE, CHENNAI - 600044 Chennai -----
2)JEXTA ARUL BINULIN V I
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF PHYSICS ,ER.PERUMAL
MANIMEKALAI COLLEGE OF ENGINEERING,HOSUR-635117 Hosur -----
3)S.PRIYA
Address of Applicant :ASSISTANT PROFESSOR /PHYSICS, ER.PERUMAL MANIMEKALAI COLLEGE
OF ENGINEERING,HOSUR-635117 Hosur -----
4)Dr. SP. PRABHAKARAN
Address of Applicant :ASSOCIATE PROFESSOR/PHYSICS, ER. PERUMAL MANIMEKALAI COLLEGE
OF ENGINEERING, HOSUR, 635117 Hosur -----
5)KHALANDAR AZAD
Address of Applicant :DEPARTMENT OF MECHANICAL ENGINEERING,, GOVERNMENT
POLYTECHNIC,HOSPET ROAD ,BALLARI 583102 Ballary -----
6)PROF. RATNAKAR LANDE
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING, G
H RAISONI INSTITUTE OF ENGINEERING & TECHNOLOGY, SHRADHA PARK, B-37- 39/1, MIDC,
HINGNA WADI LINK ROAD, NAGPUR-440016 Nagpur -----
7)B.SAI VENKATA KRISHNA
Address of Applicant :ASSISTANT PROFESSOR, DEPARTMENT OF MECHANICAL ENGINEERING,
MEGHA INSTITUTE OF ENGINEERING AND TECHNOLOGY FOR WOMEN, HYDERABAD,501301
Hyderabad -----
8)K LINGAMURTHY
Address of Applicant :LECTURER,DEPARTMENT OF MECHANICAL ENGINEERING,GOVERNMENT
POLYTECHNIC, HOSPET ROAD, BALLARI 583102 Ballary -----
9)REVATHI S.
Address of Applicant :ASSISTANT PROFESSOR/COMPUTER SCIENCE AND ENGINEERING, ERODE
SENGUNTHAR ENGINEERING COLLEGE, ERODE-638057 Erode -----
10)Mr. A. CRUZ THIVAGARAN
Address of Applicant :ASSISTANT PROFESSOR OF ENGLISH, JP COLLEGE OF ARTS AND SCIENCE,
TENKASI -627852 Tenkasi -----
11)PROF.Dr MANIKANDAN K
Address of Applicant :PROF.DR MANIKANDAN K,NO 32/40 M.P SARATHY NAGAR,
KAGITHAPATTARAI,VELLORE,TAMILNADU,INDIA Vellore -----
12)Dr. BHASKER PANT
Address of Applicant :PROFESSOR, DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING,
GRAPHIC ERA DEEMED TO BE UNIVERSITY, DEHRADUN, UTTRAKHAND, INDIA 248002
Dehradun -----

(57) Abstract :
Smart Robotic based for Total Quantity and Quality Management of Products in Manufacturing Units is the proposed invention. The proposed invention focuses on designing a framework of robotic based system to automate the production activity of manufacturing unit. The invention aims at maintaining the quality and quantity of products that are manufactured in particular batch.

No. of Pages : 13 No. of Claims : 6