

(54) Title of the invention : METHOD FOR AUTOMATICALLY UPGRADING A POWER TOOL SYSTEM INTEGRATED WITH A CLOUD SERVER AND IOT MODULE

<p>(51) International classification :B25B0021000000, B25F0005000000, B25F0005020000, B25B0023140000, H04L0029080000</p> <p>(86) International Application No :PCT// Filing Date :01/01/1900</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)R. V. R & J. C COLLEGE OF ENGINEERING Address of Applicant :R. V. R & J. C COLLEGE OF ENGINEERING, CHOWDAVARAM, GUNTUR – 522019, ANDHRA PRADESH, India ----- Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor : 1)DR. G.V. PRASANNA ANJANEYULU (Associate Professor) Address of Applicant :DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- ---- 2)MRS. V. SARAYU (Assistant Professor) Address of Applicant :DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- ---- 3)SRI. CH. RANGA RAO (Assistant Professor) Address of Applicant :DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- ---- 4)SRI. N. DHARANI KUMAR (Assistant Professor) Address of Applicant :DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- ---- 5)SRI. B. SARATH CHANDRA (Assistant Professor) Address of Applicant :DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- ---- 6)SRI. NAVEED SUHAIL (Assistant Professor) Address of Applicant :DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- ---- 7)MS. T.R. CHANDNI (Assistant Professor) Address of Applicant :DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- ---- 8)SRI. Y. MALLIKARJUNARAO (Assistant Professor) Address of Applicant :DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- ---- 9)SRI. L.V. RAMANA MURTHY (Associate Professor) Address of Applicant :DEPARTMENT OF PHYSICS, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) ----- 10)DR. J.V. SATYANARAYANA (Associate Professor) Address of Applicant :DEPARTMENT OF PHYSICS, R.V.R & J.C. COLLEGE OF ENGINEERING CHANDRAMOULIPURAM, CHOWDAVARAM, GUNTUR– 522019 (A.P) -----</p>
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(57) Abstract :
 ABSTRACT METHOD FOR AUTOMATICALLY UPGRADING A POWER TOOL SYSTEM INTEGRATED WITH A CLOUD SERVER AND IOT MODULE The present invention provides an approach for automatically upgrading a power tool that is integrated with a cloud server and plurality of IOT sensors. The present invention comprises a housing, a transmission mechanism being disposed between the motor and the output shaft for transmitting rotary power from the motor to the output shaft, a tool element supporting assembly for holding at least two tool bits, a connecting member being disposed in the housing and movable relatively to the tool bit supporting assembly between a working position where torque transmission from the motor to one of the at least two tool bits, which one tool bit is held by the accommodating hole, a plurality of sensors connected to one another, a cloud server integrated to collect data transmitted by the plurality of sensors.

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