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(54) Title of the invention : AUTOMATED WATER LEVEL CONTROLLING SYSTEM WITH DOUBLE CRANK CHIN MECHANISM

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| <p>(51) International classification :A01G 251600, C02F 010000, G01N 331800, G05B 150200, G05D 091200</p> <p>(86) International Application No :NA<br/>Filing Date :NA</p> <p>(87) International Publication No : NA</p> <p>(61) Patent of Addition to Application Number :NA<br/>Filing Date :NA</p> <p>(62) Divisional to Application Number :NA<br/>Filing Date :NA</p> | <p>(71)<b>Name of Applicant :</b><br/><b>1)NOIDA INSTITUTE OF ENGINEERING &amp; TECHNOLOGY</b><br/>Address of Applicant :19, KNOWLEDGE PARK-II, INSTITUTIONAL AREA, GREATER NOIDA-201306, GAUTAM BUDDHA NAGAR, UTTAR PRADESH, INDIA<br/>GREATER NOIDA -----</p> <p><b>Name of Applicant : NA</b><br/><b>Address of Applicant : NA</b></p> <p>(72)<b>Name of Inventor :</b><br/><b>1)PANKAJ KUSHWAHA</b><br/>Address of Applicant :Noida Institute Of Engineering &amp; Technology, 19, Knowledge Park-II, Institutional Area, Greater Noida-201306, Gautam Buddha Nagar, Uttar Pradesh, India<br/>Greater Noida -----</p> <p><b>2)MR. ANANT AGRAWAL</b><br/>Address of Applicant :Noida Institute Of Engineering &amp; Technology, 19, Knowledge Park- II, Institutional Area, Greater Noida-201306, Gautam Buddha Nagar, Uttar Pradesh, India<br/>Greater Noida -----</p> <p><b>3)MR. SANJAY KUMAR</b><br/>Address of Applicant :Noida Institute Of Engineering &amp; Technology, 19, Knowledge Park- II, Institutional Area, Greater Noida-201306, Gautam Buddha Nagar, Uttar Pradesh, India<br/>Greater Noida -----</p> <p><b>4)DR. HITESH</b><br/>Address of Applicant :Noida Institute Of Engineering &amp; Technology, 19, Knowledge Park- II, Institutional Area, Greater Noida-201306, Gautam Buddha Nagar, Uttar Pradesh, India<br/>Greater Noida -----</p> |
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(57) Abstract :

An automated water level controlling system (100) designed to regulate the water level in a tank. It includes a water tank (102), a double crank chin mechanism (106), switches (104a-104n), a 4-way elbow (206), a motor pump (108), an electric board (110), and wires (112). The double crank chin mechanism (106) controls the water flow into the tank using slotted pipes (202a-202n), a crank rod (204), and floating balls (206a-206b) that activate and deactivate the switches (104a-104n) based on the water level in the tank. The system is activated by turning on the motor pump (108) manually, and as the water level rises or falls, the floating balls (206a-206b) push the appropriate switch to regulate the flow of water into the tank. The electric board (110) distributes power to the components of the system.

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