

(12) PATENT APPLICATION PUBLICATION

(21) Application No.202431022672 A

(19) INDIA

(22) Date of filing of Application :23/03/2024

(43) Publication Date : 12/04/2024

(54) Title of the invention : "Artificial Rain Technology: A Game-Changer in Agriculture"

(51) International classification :G10L0015220000, E03B0003280000, B01D0005000000, A01G0025160000, B01D0053260000

(86) International Application No :NA
Filing Date :NA

(87) International Publication No : NA

(61) Patent of Addition to Application Number :NA
Filing Date :NA

(62) Divisional to Application Number :NA
Filing Date :NA

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(57) Abstract :

This innovation employs an aluminum rectangular coil with a specialized filter module for atmospheric water extraction, powered by 12/24 volts and compatible with solar panels or electricity. Featuring Mobile App, timer, and voice control, it flexibly caters to farmer-specific water needs. Mimicking natural condensation, it revolutionizes irrigation methods, offering an eco-friendly, scalable solution for global agricultural water scarcity, empowering farmers with sustainability and efficiency.

No. of Pages : 12 No. of Claims : 10