

(54) Title of the invention : AN ECO-FRIENDLY DIRECT EVAPORATIVE COOLING SYSTEM USING COTTON STRIP FOR CAPILLARY EFFECT

| | |
|---|---|
| <p>(51) International classification :F24F0005000000, F24F0006040000, F24F0011790000, F24F0006000000, F24F0011770000</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 :</p> <p>1)Mr. P. K. Mall Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Babu Banarsi Das Engineering College, Lucknow, Uttar Pradesh, Pin Code: 226028 Lucknow -----</p> <p>2)Dr. Hirendra Kumar Paliwal</p> <p>3)Dr. Amit Medhavi</p> <p>4)Mr. Shashank Kumar</p> <p>5)Mr. Ambuj Kumar</p> <p>6)Mr. Shailendra Kumar</p> <p>7)Mr. Rahul Shukla</p> <p>8)Mr. Govind Mall</p> <p>Name of Applicant : NA Address of Applicant : NA</p> <p>(72)Name of Inventor :</p> <p>1)Mr. P. K. Mall Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Babu Banarsi Das Engineering College, Lucknow, Uttar Pradesh, Pin Code: 226028 Lucknow -----</p> <p>2)Dr. Hirendra Kumar Paliwal Address of Applicant :Professor, Department of Mechanical Engineering, Institute of Engineering and Technology (IET), Lucknow, Uttar Pradesh, Pin Code: 226021 -----</p> <p>3)Dr. Amit Medhavi Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh, Pin Code: 228118 Sultanpur -----</p> <p>4)Mr. Shashank Kumar Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh, Pin Code: 228118 Sultanpur -----</p> <p>5)Mr. Ambuj Kumar Address of Applicant :Assistant Professor, Department of Mechanical Engineering, Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh, Pin Code: 228118 Sultanpur -----</p> <p>6)Mr. Shailendra Kumar Address of Applicant :Assistant Professor, Department of Mechanical Engineering, B.N. College of Engineering and Technology, Lucknow, Uttar Pradesh, Pin Code: 226201 Lucknow -----</p> <p>7)Mr. Rahul Shukla Address of Applicant :Research Scholar, Department of Mechanical Engineering, Kamla Nehru Institute of Technology, Sultanpur, Uttar Pradesh, Pin Code: 228118 Sultanpur -----</p> <p>8)Mr. Govind Mall Address of Applicant :Research Scholar, Department of Agriculture Extension, B.R.D. P.G., Deoria, Uttar Pradesh, Pin Code: 274001 Deoria -----</p> |
|---|---|

(57) Abstract :

The present invention relates to an ecofriendly direct evaporative cooling system (100) using cotton strip for capillary effect. The system (100) comprises an earthen pot unit, a cotton strips unit, an exhaust fan unit, a tin tank unit, a plurality of sensors, a plurality of sensors, a central processing unit. The ecofriendly direct evaporative cooling system (100) using cotton strip for capillary effect use less electricity with an evaporative cooler means lowering carbon footprint as well as paying less on your utility bills. The ecofriendly direct evaporative cooling system (100) using cotton strip for capillary effect use only water and no chemical refrigerants, which are harmful to the ozone layer.

No. of Pages : 14 No. of Claims : 7