(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(51) International

(86) International

(87) International

Publication No

Filing Date

(61) Patent of Addition:NA

to Application Number

Filing Date

Application Number

Filing Date

(62) Divisional to

Application No

classification

(22) Date of filing of Application :24/01/2023

(21) Application No.202311004725 A

(43) Publication Date: 03/02/2023

#### (54) Title of the invention: SYSTEM FOR REFRIGERATION

A61M0060122000

:NA

:NA

: NA

:NA

:NA

:NA

:A61F0013150000, H01L0021687000,

C08L0053020000, B01D0003140000,

(71)Name of Applicant:

## 1)Chitkara University

#### 2) Chitkara Innovation Incubator Foundation

Name of Applicant: NA Address of Applicant: NA (72)Name of Inventor:

### 1)RAI, Ankit Kumar

Address of Applicant :Department of Computer Science and Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ------

#### 2)KANDPAL, Chetan

Address of Applicant :Department of Computer Science and Engineering, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ------

#### 3) DUTTA, Monica

# 4)GUPTA, Deepali

Address of Applicant: CURIN, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ------

#### 5)GOYAL, Deepam

Address of Applicant: CURIN, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ------

#### 6) GOYAL, Nitin

Address of Applicant :CSE, Central University of Haryana, Mahendragarh, Village Jant-Pali, Distt. Mahendragarh, Haryana -123031, India. Mahendragarh ------

# (57) Abstract:

The present invention discloses a system of refrigeration 100 that includes a crate 102 with a one or more chambers 104 used to contain an article. The crate 102 is made up of a polymer material. A Bottom portion of the crate 102 has small holes 116 to give passage to the flow of liquid. The top edges of the crate 102 are made of hollow tubes which are connected to the sprinklers 118 to sprinkle the liquid on the outer surface of the walls of the crate 102 as well as on the article as per requirements. A tank is incorporated to supply liquid as per requirements. A stand is configured to mount the tank and the crate. The sprinklers are configured with a pipe that connects them to the output of the tank.

No. of Pages: 14 No. of Claims: 8