(12) PATENT APPLICATION PUBLICATION

(19) INDIA

(22) Date of filing of Application :11/01/2023

(21) Application No.202311002299 A

(43) Publication Date : 13/01/2023

(54) Title of the invention : AN INVENTORY MANAGEMENT SYSTEM

(51) International classification	:G06Q0030060000, G06Q0010080000, G06Q0030000000, G06K0007100000, A61B0005110000
(86) International Application No Filing Date	:NA :NA
(87) International Publication No	: NA
(61) Patent of Addition to Application Number Filing Date	:NA :NA
(62) Divisional to Application Number Filing Date	:NA :NA

(71)Name of Applicant :
  1)Chitkara University
    Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------
  2)Chitkara University
  3)Chitkara Innovation Incubator Foundation
Name of Applicant : NA
Address of Applicant : NA
(72)Name of Inventor :
  1)TANEJA, Ashu
Address of Applicant :Assistant Professor, CURIN, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------
  2)RINKU
Address of Applicant :Assistant Professor, Chitkara University, Atal Shiksha Kunj, Pinjore-Nalagarh National Highway (NH-21A), District: Solan - 174103, Himachal Pradesh, India. Solan ----------- -----------
  3)SRIVASTAV, Arun Lal
Address of Applicant :Assistant Professor, Chitkara University, Atal Shiksha Kunj, Pinjore-Nalagarh National Highway (NH-21A), District: Solan - 174103, Himachal Pradesh, India. Solan ----------- -----------
  4)KAUR, Harmanpreet
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------
  5)KAUR, Ishpreet
Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----------- -----------

(57) Abstract :
The present disclosure relates to an inventory management and order placing system (100) for a refrigerator comprising an image acquisition unit, one or more sensors (112), a communication terminal (114) and a processing unit (104) configured in a housing (102). The image acquisition unit (110) capture images of objects and one or more input parameters. The processing unit (104) is communicatively coupled to the image acquisition unit, the one or more sensors (112) and the communication terminal (114). The one or more sensors (112) senses the objects in the refrigerator. The processing unit (104) detects and identifies the images of objects and the one or more input parameters to generate and store a plurality of product data. A display unit (108) is configured to display the plurality of product data. The processing unit (104) adds product data to one or more electronic shopping carts after a threshold period of time.

No. of Pages : 20 No. of Claims : 7