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(71)**Name of Applicant :**
 1)**Chitkara University**
    Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----------- -----------
 2)**Chitkara Innovation Incubator Foundation**
Name of Applicant : NA
Address of Applicant : NA
(72)**Name of Inventor :**
 1)**Loveleena Mukhija**
Address of Applicant :Chitkara University Institute Of Engineering And Technology, Chitkara University, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----------- -----------
 2)**Dr. Neha Sharma**
Address of Applicant :Chitkara University Institute Of Engineering And Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----------- -----------
 3)**Dr. Chander Prabha**
Address of Applicant :Chitkara University Institute Of Engineering And Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----------- -----------
 4)**Saiesh Chuttani**
Address of Applicant :Chitkara University Institute Of Engineering And Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India Rajpura ----------- -----------

(57) Abstract :
The present disclosure introduces a smart food usage and storage analyser 100 which revolutionizes household food management by providing a comprehensive system to minimize food wastage and promote sustainable consumption practices. It comprises of image sensor 102, odour sensor 104, IoT connectivity 106, mobile app based I/O system 108, central control system 110, audio output system 112, database for usage report and pattern analysis 114.The analyzer monitors food items' presence, freshness, quantity, and pest activity in real-time across various storage locations. FIG 1

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