

(54) Title of the invention : DOORMAT WITH SAFETY SYSTEM

<p>(51) International classification :B64D0045000000, A61B0005000000, A47L0023260000, A61B0005110000, A01D0034000000</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 : 1)Chitkara University Address of Applicant :Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- ----- 2)Chitkara Innovation Incubator Foundation Name of Applicant : NA Address of Applicant : NA (72)Name of Inventor : 1)SARANGI, Pradeepta Address of Applicant :CSE Department, Chitkara Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- 2)SINGH, Gurpreet Address of Applicant :CSE Department, Chitkara Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- 3)SHARMA, Kapil Address of Applicant :CSE Department, Chitkara Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- 4)RANI, Lekha Address of Applicant :CSE Department, Chitkara Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- 5)GULERIA, Kalpna Address of Applicant :CSE Department, Chitkara Institute of Engineering and Technology, Chitkara University, Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Patiala ----- 6)MITTAL, Neetu Address of Applicant :Associate Professor, Amity University, G8VM+H69, Amity Road, Sector 125, Noida, Uttar Pradesh - 201301, India. Noida ----- 7)RATH, Bishnu Prasad Address of Applicant :Associate Director, Cognizant Technology Solutions Ltd., 1607, Al Jazeera Tower, Hamdan Street, Abu Dhabi, United Arab Emirates. Abu Dhabi ----- 8)SAHOO, Ashok Kumar Address of Applicant :Professor, Graphic Era Hill University, Road Society Area, Clement Town, Dehradun, Uttarakhand - 248002, India. Dehradun ----- -----</p>
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(57) Abstract :
The present disclosure provides a doormat with safety system (100). The doormat (100) includes a body (102) having one or more sensors (104) configured to detect weight of an entity on the body, an alert unit (106) configured to produce an audible signal, and a control unit (108) operatively coupled to the one or more sensors (104) and the alert unit (106). Additionally, the control unit (108) is configured to analyse weight detected on the body (102), to determine whether the entity is a child or a domestic animal. Upon detection of at least one of the child or the domestic animal, the control unit (108) activates an alert unit (106), that produces audible signal to notify family members to take actions accordingly.

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