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(54) Title of the invention : ADAPTIVE GARMENT DRYING DEVICE

(51) International classification	:D06F53/04, D06F53/00, D06F57/00, D06F57/08, D06F58/20, H02S20/00	(71) <b>Name of Applicant :</b> <b>1)Chitkara University</b> Address of Applicant :Chandigarh-Patiala National Highway, Village Jhansla, Rajpura, Punjab - 140401, India. Rajpura Punjab India
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(57) Abstract :

An adaptive garment drying device, comprises of a drying stand 101 developed to be positioned on a ground surface and constructed with a plurality of horizontal oriented support rods 102 to support and retain multiple garments during a drying process, a plurality of moisture sensors to detect moisture content of garments mounted on corresponding rows, an environmental sensing unit to determine surrounding environmental conditions, a load measurement module for detecting total weight of garments placed thereon and generating weight-trend data corresponding to evaporation-based weight reduction over time, a drying assistance to provide controlled airflow and gentle heating for supporting real-time drying of garments based on fabric type and environmental conditions.

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