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(57) Abstract :

An assistive cloth drying device, comprising of a frame 1 having a pair of curved plates 2 to facilitate sliding movement of plates 2 for positioning frame 1 over a cloth, an ultrasonic sensor to detect presence of cloth, a pair of motorized clamps 4 to grip cloth in order to prevent cloth from making contact with a ground surface, a moisture sensor to detect moisture content present within cloth, a sliding unit 5 to provide movement to clamps 4 for unfolding cloth to expose cloth for sun/air drying, a rain sensor to detect presence of rain, a pair of motorized rollers 6 to unwrap a sheet for unwinding sheet to cover cloth to prevent drenching of cloth, and an artificial intelligence based image capturing module 7 to capture multiple images of frame's surroundings, an audio unit 8 to generate audio sounds in order to scare birds/insects.

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