



Student Award

Rain Protector, automatic side stand retracting system and other ideas

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Scout: Direct

Harkesh Kataria (21), a student from Gurgaon has devised a rain protector, which withdraws the clothesline to prevent clothes hung for drying from getting wet in rain. He is studying for the final year B.A and part time working in the PCB design department of ASTI Electronic India Pvt Ltd for the last six months. He was still a student when he submitted his entry for NIF's competition.

One has to always run to collect clothes hung out for drying during monsoons if it rains. Harkesh's idea was to devise a system through which this could be done automatically. This is a motor driven and moisture sensor based system (Pat app. No 158/del/2012) which withdraws the clothesline into shade when it starts to rain, thereby preventing the clothes from getting wet..

Prior Art search disclosed those Automatic retractable clotheslines are commonly available, mostly in abroad. These technologies described in art are manual in operation and need a constant attention thereto. But present invention is a simple sensor based line traveling system which automatically senses humidity and triggers the clothesline withdrawal. Hence the device is of good potential for diffusion in homes, offices, hotels, restaurants and hospitals. Piyush Agarwal, Hazaribagh, Jharkhand also submitted a similar idea later during NIF's Ignite 2009 competition.

Apart from the rain protector, he also made more than a dozen of technological innovations and ideas. The list includes mobile operated home lighting system, sensor system in any vehicle, sensor alarm, clap switch, water engine, dancing car, musical fountain, day night switch, sensor gun, water over-flow controller, and electric crane.