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(57) Abstract :
An automated water drainage installation device for roof, comprises a cuboidal body 1 configured with four telescopic rods 2 that provides support to the body 1 on a roof of an enclosure, a tilt sensor installed on the body 1 for detecting inclination of the roof, a multi-sectioned chamber 4 assembled inside the body 1 for storing multiple rain gutter pieces along with screws, an inlet 5 crafted on the chamber 4 for enabling withdrawal and refilling of the pieces and screws inside the chamber 4, an artificial intelligence based imaging unit 6 mounted on the body 1 for capturing and processing images of the roof, a first robotic link 8 configured with a motorized cutter 9, assembled on the body 1 for cutting the pieces, and a second robotic link 10 configured with a motorized crew driver 11, mapped on the boy for fastening the screws on pieces.

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