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(57) Abstract :

The present invention relates to a self-cleaning drainage device, comprising of an elongated hollow body 1 for supplying water/wastage from sink to drain, an Artificial intelligence (AI) camera 2 for capturing images of debris adhered on the body 1 and monitoring entry of pests and generating a command via a microcontroller upon detection of the images and pests, a circular rack unit 3 in combination with an iris lid 4 fabricated along length of the body 1, wherein the lid 4 rotates and restrict entry of the pests, plurality of bristles 5 hinged on periphery of the iris lid 4 for removing the debris during rotation of the lid 4, a variable frequency for radiating frequency in order to prevent entry of the pest within the body, plurality of nozzles 6 for dispensing pesticides on the pests. Ref Figure 1

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