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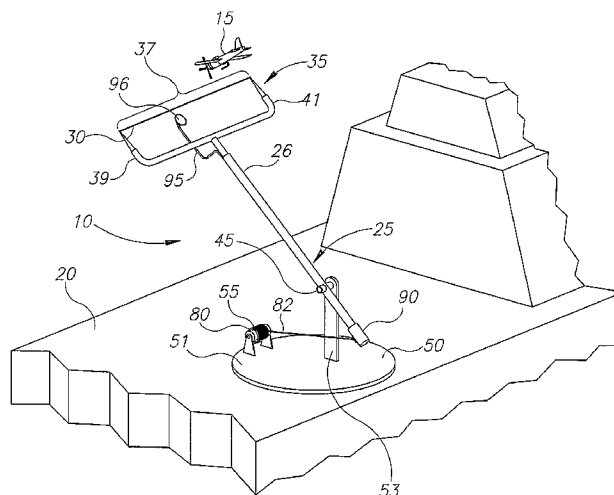
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(54) Title: AN UNMANNED AERIAL VEHICLE LAUNCHING AND LANDING SYSTEM



(57) Abstract: A system for landing UAV's comprising a slingshot structure (25) that includes a central arm (26) and an axis means (45) installed along the central arm of the structure and wherein it enables the central arm to move around it in addition, the system comprises base means (50) connecting the axis means to a platform (20) at which the system is installable. The system also include a controlled pulling and braking means (55) that connects between lower end of the central arm of the structure and the platform upon which the system is installable and an assembly (35), essentially formed as a substantially "Y" shape part that is installable unto the top end of the central arm of the structure and a stretchable elastic means (30) installed in a stretched manner at a gap formed between the two arms of the assembly and set to connect with a landing UAV(15). At the landing phase, the controlled pulling and braking means of the system, essentially brakes the motion of the central arm of the structure that is propelled to revolve around the system's axis means, from a time that the UAV forms contact with the elastic means and with it propels the structure to move around the axis means.

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