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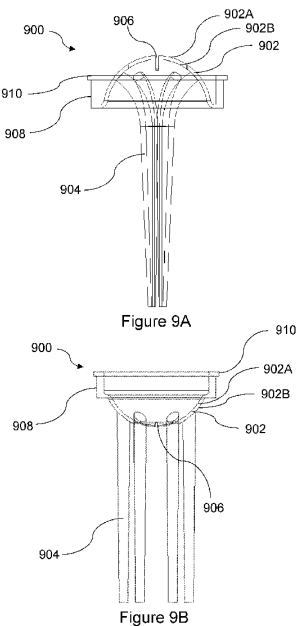
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- (54) **Title:** A HYDROPONIC SYSTEM AND DEVICES FOR IRRIGATING A GROWING CROP



- (57) **Abstract:** Systems, methods, and devices for irrigating a growing crop by hydroponic means, in particular a hydroponic system and a reusable growing plug. In a first aspect there is provided a hydroponic system comprising a growing frame with a rotating portion. The rotating portion further comprises a spiral conduit. The spiral conduit comprises a plurality of apertures for receiving the growing crop. The spiral conduit is configured for receiving fluid and further comprises an opening for receiving the fluid into the spiral, such that in use rotation of the spiral conduit feeds the fluid around the conduit towards the centre of the spiral and past the plurality of apertures for receiving the growing crop. In a second aspect there is provided a reusable growing plug, for use in hydroponic systems, wherein at least a portion of the growing plug is flexible and comprises a first surface, a second surface and at least one aperture extending through the first and second surface for receiving a growing crop. The growing plug further comprises a plurality of prongs, coupled to the second surface. The growing plug has a first configuration and a second configuration, wherein in the first configuration the plurality of prongs are brought together relative to the second configuration; and in the second configuration the plurality of prongs are separated relative to the first configuration.

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