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Patent Search

Invention Title	IRRIGATION DRAINING AND/OR HEATING SYSTEM OF A SURFACE AND METHOD FOR HEATING A SURFACE
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Abstract:

An irrigation draining and/or heating system of a surface comprising: a tank (215) defined by a water proofing sheath (214) housed in an excavation in the ground; a water grid (201) located inside said tank (215) comprising at least one inlet module (202) and at least one outlet module (203); an outer water reservoir; one or more inlet (260) and outlet (261) connections connecting said water grid (201) to said outer water reservoir; and a draining soil to fill said tank; wherein each of said at least two modules comprises an impermeable main pipe (204) from which a series of permeable conduits (205) emerges where said conduits lie on the same horizontal plane of said main pipe. And a method for heating a surface.

Complete Specification

The present invention relates to an irrigation, draining and/or heating system of a surface, comprising:

- a tank (215) defined by a water-proofing sheath (214) housed in an excavation in the ground;
- a water grid (201) located inside said tank (215), comprising at least one inlet module (202) and at least one outlet module (203);
- an outer water reservoir;
- one or more inlet (260) and outlet (261) connections, connecting said water grid (201) to said outer water reservoir;
- a draining soil to fill said tank;

characterized in that each of said at least two modules comprises an impermeable main pipe (204) from which a series of permeable conduits (205) emerges, where said conduits lie on the same horizontal plane of said main pipe.

BACKGROUND OF THE ART

There is a strongly felt need to have systems for efficiently heating a ground, both for sports and for

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