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(54) Title: WICK DRAIN SYSTEM WITH AIR LIFT

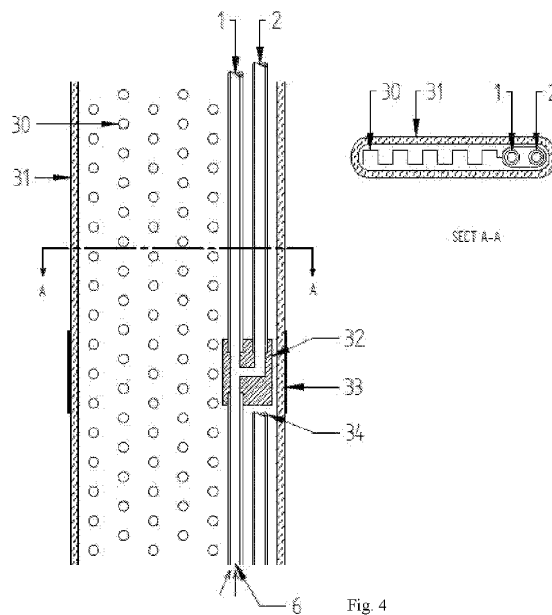


Fig. 4

(57) **Abstract:** An air-lift system incorporated in a wick drain to facilitate the removal of water from the soil in which the wick drain is installed. A water-carrying conduit is inserted in the filter fabric of the wick drain. The top of the water-carrying conduit extends to the top of the wick drain, and the bottom of the water-carrying conduit extends down into the water to be extracted from the soil. A gas-carrying conduit is also inserted in the filter fabric, with a top that extends to the top of the wick drain, and a bottom that is joined to the water-carrying conduit at a location below the water level therein and above the bottom end of the water-carrying conduit. Air forced into the gas-carrying conduit is injected into the water in the water-carrying conduit and reduces the density thereof so as to lift the water to the top of the water-carrying conduit. Water is thus efficiently extracted from the soil in which the wick drain is installed.

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