

**PHOTOELECTRIC WATER-PERMEABLE PAVEMENT
UNDERGROUND WATER STORAGE AUTOMATION SYSTEM**

ABSTRACT OF THE DISCLOSURE

A photoelectric water-permeable pavement underground water storage
5 automation system includes a photoelectric module (10), a water-permeable unit
(20), and a water-filled structure (30). The photoelectric module (10) is arranged
on a ground surface and includes a base (11). A solar panel (12) is mounted on a
top of the base (11). Fixing members (112) are provided on a bottom of the base
(11) and positioned on the water-permeable unit (20). A bare empty area (113) is
10 provided inside the base (11). Communication pipes (13) are connected to and
extended outward from the bare empty area (113) to communicate with adjacent
bases (11). The water-permeable unit (20) is a water-permeable pavement
including a frame structure formed of multiple vertical water-permeable pipes and
poured with concrete slurry. The water-filled structure (30) is an underground
15 water storage space formed of multiple-hole hollow unit cells (30a). A water
guide layer (B) is provided at the top of the water-filled structure (30) buried in an
underground layer below the water-permeable unit (20).

FIG. 1