Amended Claims

1. A light partition wall formed by jointing multiple partition plates, each partition plate including a covering layer (1), and a separating layer (2) which is surrounded by the covering layer (1) in a homogeneous manner,

characterized in that the partition plate further includes at least one conduit (3), and at least one lamp box (4), wherein the lamp box (4) is fixed in the separating layer (2) and extrudes out of a surface of the partition plate, and the conduit (3) passes through the separating layer (2) and connects the lamp box (4) with a top of the partition plate, and

in a region of the partition plate corresponding to an upper portion of the conduit (3) there is provided with a filling groove (9), at a side of which a block plate (10) is arranged.

2. The light partition wall according to claim 1, characterized in that the partition plate is further provided therein with passageways (5), which are homogeneously distributed in the separating layer (2), and extend all over the partition plate along a vertical direction.

3. The light partition wall according to claim 2, characterized in that at least one side surface of the partition plate is provided with a recess (6) and/or a protrusion (7), the recess (6) being matched with the protrusion (7).

4. The light partition wall according to claim 2, characterized in that the partition plate is provided at an edge thereof with at least one positioning port (8), which is distributed along an edge of a side surface and/or a top surface of the partition plate in a homogeneous manner.

5. The light partition wall according to claim 1, characterized in that a wire mesh is arranged in the partition plate, and homogenously arranged inside the covering layer (1).

6. The light partition wall according to claim 5, characterized in that the wire mesh

includes transverse frames (11) and longitudinal bars (12), wherein the transverse frames (11) are distributed in the covering layer (1) along a vertical direction, and the longitudinal bars (12) are distributed homogenously and fixed on respective transverse frames (11).

7. The light partition wall according to claim 6, characterized in that flywheels (13) for fixing the wire mesh are further arranged in the partition plate.

8. The light partition wall according to any one of claims 1 to 7, characterized in that the covering layer (1) is formed through stirring a mixture of cement, stone powder, water and fiber, coating the mixture homogeneously and solidifying the mixture, and the separating layer (2) is formed from a mixture of ceramsite and fiber.

9. A method for installing the light partition wall according to any one of claims 1 to 8, characterized in that the method includes the following steps:

a cleaning step of cleaning a site to be installed with the light partition wall and wetting it by water;

a route planning step of marking ink lines on a surface of a wall at the site to be installed with the light partition wall, and indicating an installment outline on the ground at the site;

a preliminary positioning step of nailing locating pins in the wall and a top panel according to the positions of the positioning ports (8);

a soft treating step of arranging rubber mats on a top portion of the partition plate to form a soft contact layer, wherein at least two rubber mats are provided for one partition plate;

an on-wall installing step of wetting a first partition plate by water at its periphery, filling sealant (15) in the recess (6) of the first partition plate, erecting the first partition plate with the recess (6) facing the wall, pressing the first partition plate tightly on the surface of the wall at positions of the locating pins corresponding to the wall and the top panel, fixing the first partition plate by wooden wedges, and checking the first partition plate for

horizontality with a spirit level;

an on-plate installing step of wetting a second partition plate by water at its periphery, filling sealant (15) in the recess (6) of the second partition plate, erecting the second partition plate with the recess being placed toward the protrusion (7) of the first partition plate, so that the protrusion is pressed into the recess (6) tightly, fixing the second partition plate by wooden wedges at positions of the locating pins corresponding to the top panel, and checking the second partition plate for horizontality with the spirit level;

a finishing step of installing other partition plates according to the on-wall installing step or the on-plate installing step, thus completing the installment of the light partition wall;

a wiring step of arranging electrical wires in the conduits (3) to complete wiring; and

a strengthening step of filling sealant (15) in gaps formed between the installed partition walls, the regions where the locating pins are arranged, and the filling grooves (9), coating white glue at the regions where the partition walls are connected with each other, and applying the fiber mesh (14) thereto.