CLAIMS

1. An automatic planting system for periodical multiple seedlings cultivation having a main frame structure (1) characterized in that
the main frame structure (1) is provided with an inner cavity, an inner wall and an upper portion, wherein the upper portion is linked to a main water pipe (2) and the inner cavity is for a plurality of planting box (3) growing with plants, the base of the inner cavity is provided with a storage tank (5) having one lateral side being linked to a discharging pipe (16), wherein surface at the side of the discharging pipe (16) is connected to a water treatment device (6) having mounted with a water inlet pipe (15) at the external wall thereof, the external of the main frame structure (1) has a left and right side which is individually installed with an elevating module (7), and the planting box (3) is provided with a lateral wall linked to a liquid capillary (8), the external wall of the base of the inner cavity is provided with a limiting block (9) having an external side being mounted with a roller (10), below the roller (10) is provided with a guide rail (11), the planting box (3) has a bottom section which is provided with a water outlet (12) and the beneath the water outlet (12), a water discharging trough (13) is mounted, wherein the inner wall of the main frame structure (1) is provided with an AI light module (14), and the front end of the main frame structure (1) is provided with an independent AI control module (4), thereby the elevating module (7) provides the moving transferring of the planting box.

2. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 1, characterized in that the planting box (3) is provided with a handle (301), a floating plate limiting block (302), an inner chamber (303), at least one discharging hole (304), a recess (305), a plurality of baffling grooves (306), a floating plate (307), a plurality of planting hole (308), a base seat (309), and the inner wall of the planting box (3) is provided with the floating plate limiting block (302), and the inner side of the limiting block (302) is mounted with the inner chamber (303) having two water discharging holes (304) , one of the discharging hole (304) being used for water supplying and the other used for discharging of water, and the external wall of the inner chamber (303) is provide with the recess (305) and the surface of the inner chamber (303) is provided with a plurality of baffling grooves (306) and the surface of the planting pox (3) is provided with the floating plate (307) , and the surface of the floating plate (307) is provided with a plurality of the planting holes (308) and the bottom section of the planting box (3) is provided at the base seat (309).

3. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 2, characterized in that the external dimension of the inner chamber (303) is corresponding to the inner structural dimension of the planting box (3) and the planting holes (308) on the floating plate (307) are of evenly distributed.

4. The automatic planting system for periodical multiple seeding cultivation as set forth in Claim 1, characterized in that the interior of the water treatment device (6) is provided with a UVC bactericidal light (601) and a filtration core (602) mounted at one side of the UVC bactericidal light (601).

5. The automatic planting system for periodical multiple seedling cultivation as set forth in Claim 4, characterized in that the water treatment device (6) and the UVC bactericidal light (601) are interlinked, and within the water treatment device (6), the filter core (602) is position at the central thereof, and the UVC bactericidal lights (601) are positioned with the horizontal axis thereof pointing to the lateral side of the filtering core (602).

6. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 1, characterized in that the surface of the elevating module (7) is provided with a tray (701), a rotating wheel (702) and a pushing rod (703), the upper and lower side of the interior of the elevating module (7) is mounted with the rotating wheel, and the interior of the elevating module (7) is provided with the pushing rod (703).

7. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 6, characterized in that the rotating wheel (702) and the elevating module (7) interact with each other to form into a rotating structure and the tray (701) is mounted onto the surface of the elevating block (703).

8. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 1, characterized in that the AI light module (14) comprises a silicone cover (1401), a LED plant growth lighting (1402), an aluminium substrate (1403) and an aluminium heat sink (1404), and the aluminium substrate (1403) is located within the aluminium heat sink (1404), and the internal wall of the aluminium substrate (1403) is engaged with the LED plant growth lighting (1402) and the surface of the external wall of the aluminium substrate (1403) is adhered with the silicone cover (1401).

9. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 8, characterized in that the LED plant growth lighting (1402) in the AI light module (14) along the horizontal direction thereof, and the external shape of the silicone covering face (1401) is a rectangular shape.

10. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 1, wherein the planting box (3) comprises a floating plate (6) and a plurality of baffle grooves mounted within the planting box (3), and the baffle grooves increases the flowing time of nutrients to the plants.

11. The automatic planting system for periodical multiple seedlings cultivations as set forth in Claim 1, further comprising a LED lighting module to provide lighting of variety intensity and spectrum at different timing of growth of the plant.

12. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 1, further comprising a water supplying or nutrient solution supplying module, wherein water and/or nutrient solution is being transported to the liquid capillary through the main water pipe.

13. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 8, further comprising a central control module to collect signals and data detected by sensors in the independent intelligent control module, wherein the central control module can proceed to adjust humidity, temperature and carbon dioxide concentration through analysis, and regulate and to monitor the growth environment in real time of the seedling.

14. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 13, further comprising a user terminal, which is connected to the central control module through wireless means.

15. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 14, wherein the user terminal includes a mobile phone, a laptop computer or a PC.

16. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 15, wherein a user checks the growth of plants on the mobile terminal and the

PC terminal, and also monitors or adjusts through the terminal any operating status to meet the growth needs of plants.

17. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 14, further comprising a monitoring module wherein the user terminal collects and analyses plant growth data.

18. The automatic planting system for periodical multiple seedlings cultivation as set forth in Claim 17, wherein the plant growth data can be obtained by using a drone to perform a fixed-point aerial photography to monitor the growth of plants.