

REMOTELY AND CENTRALLY MANAGED FARM OF INDOOR FARMING APPLIANCE

Abstract

5 Indoor farming appliance comprising: a growing area further comprising: a
body with an opening at the front side; a misting system placed at the lowest part
of the body; a plant bed placed above the misting system; a growing light panels
placed the top of the body; a plurality of fans installed at the rear, left and right
sides of the body; a sensor holder placed the rear side of the body and holds a
10 light sensor, CO2 sensor and Temperature and Humidity sensor, a computer box
comprising: a housing; a microcomputer, a microcontroller, and a relay modules
securely placed inside the housing; a computer box fan attached the top of the
housing; a water reservoir compartment comprising a compartment having a top
and front openings; a plurality of wheels attached at the bottom of the compartment;
15 a water reservoir slidably inserted inside the compartment. The growing
area is placed at the top of water reservoir compartment. A nutrient tank placed at
the side of the compartment. A nutrient from the nutrient tank delivers to the misting
system via nutrient pumps. The nutrient collected by the water pumps back to the
nutrient tank via water pump.

20 (Fig. 2)