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(54) Title: A PLANT ILLUMINATION DEVICE ARRANGED TO BE POSITIONED ABOVE A PLANT TRAY SUCH AS TO ILLUMINATE PLANTS IN THE PLANT TRAY

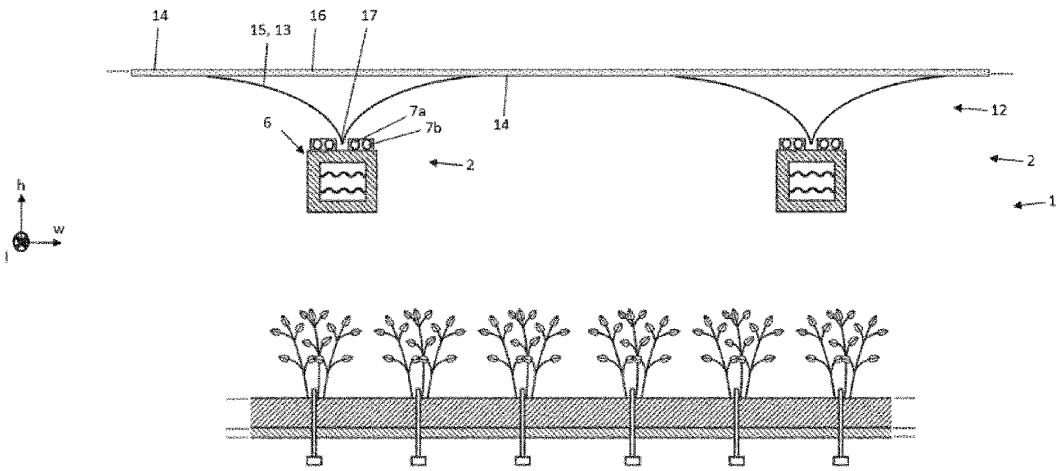


Fig. 3

(57) Abstract: A plant illumination device (2) arranged to be positioned above a plant tray (4) such as to illuminate plants (5) in the plant tray, the device comprising a reflector (12) and a light source (6), wherein the light source is arranged to emit light directed towards the reflector, and wherein the light source and the reflector are positioned such that the light emitted by the light source is reflected by the reflector towards the plant tray, wherein the reflector and the light source are both elongated along a length direction (I), wherein the reflector has a shape in a cross-sectional plane perpendicular to the length direction wherein said shape comprises a central portion (13) and two peripheral portions (14) adjacent to the central portion and wherein the shape is symmetrical with respect to an axis of symmetry extending through the central portion along a height direction (h) perpendicular to the length direction, wherein the central

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portion comprises a protrusion (17) at the axis of symmetry wherein the protrusion protrudes downward along the height direction towards the light source, wherein the central portion of the reflector is arranged to receive light from the light source and to reflect the received light towards the peripheral portions of the reflector, and wherein the peripheral portions of the reflector are arranged to reflect the light received from the central portion towards the plant tray.