

Soilless plant-culture system**ABSTRACT**

- 5 The invention relates to a soilless plant-growing system (100), the plants being arranged in a support structure (110) comprising a plurality of closed spaces, such that the roots of each plant are in one of the closed spaces, the system (100) comprising:
- a spray head (1) comprising at least one spray nozzle (2) comprising a piezoelectric sprayer,
 - 10 - supply means of at least one plant nutrient solution,
 - displacement means (3, 10) arranged to move the spray head (1) between the closed spaces, and
 - control means arranged to:
 - 15 ○ control the at least one nozzle (2),
 - control the displacement means (3, 10) so as to move the spray head (1) between the closed spaces,
- the spray head (1) being arranged to spray the nutrient solution into each closed space over a predetermined duration and with a predetermined frequency.

20 Fig.5