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(54) Title (EN): AN LED LIGHTING DEVICE FOR A CULTIVATED SURFACE

(54) Title (FR): DISPOSITIF D'ÉCLAIRAGE À DEL POUR UNE SURFACE CULTIVÉE

(57) Abstract:

(EN): An LED lighting device (1) for the irradiation of a cultivated surface comprises a support (26) made of a thermally conductive material, optical bodies (72), a thin and flexible membrane (52) and an LED board (14), superimposed on and in contact with the membrane (52), configured so that each LED faces the membrane and is aligned with the optical body (72) thereof. The configuration of the device improves the thermal transfer towards the cultivated surface.

(FR): Un dispositif d'éclairage à DEL pour l'irradiation d'une surface cultivée comprend un support (26) constitué d'un matériau thermoconducteur, des corps optiques (72), une membrane mince et souple (52) et une carte à DEL (14), superposée et en contact avec la membrane (52), ce dispositif étant conçu de sorte que chaque DEL fait face à la membrane et est alignée sur le corps optique (72) de celle-ci. La configuration du dispositif améliore le transfert thermique vers la surface cultivée.

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Declarations:

Declaration made as applicant's entitlement, as at the international filing date, to apply for and be granted a patent (Rules 4.17(ii) and 51bis.1(a)(ii)), in a case where the declaration under Rule 4.17(iv) is not appropriate

Declaration of inventorship (Rules 4.17(iv) and 51bis.1(a)(iv)) for the purposes of the designation of the United States of America