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(54) Title (EN): REACTOR AND PROCESS FOR THE CULTIVATION OF PHOTOTROPHIC MICRO ORGANISMS

(54) Title (FR): REACTEUR ET PROCEDE DE CULTURE DE MICRO-ORGANISMES PHOTOTROPES

(57) Abstract:

(EN): This invention describes a reactor for cultivating phototrophic micro organisms, wherein the sunlight is introduced in compartment walls (10) by using one or more moveable collimators (19). The compartment walls (10) are transparent and from there light is distributed into the reactor. Such a reactor has an improved collection of radiation and an improved distribution of the radiation into the reactor, thereby providing a more efficient reactor and a more efficient cultivation of phototrophic micro organisms.

(FR): L'invention porte sur un réacteur de culture de micro-organismes phototropes où de la lumière solaire est frappe les parois (10) d'un compartiment à l'aide d'un ou plusieurs collimateurs mobiles (19). Lesdites parois (10) sont transparente et la lumière qui s'en dégage est distribuée dans le réacteur qui se caractérise par une meilleure capture de la lumière et une meilleure répartition de la lumière, ce qui accroît son efficacité et améliore la culture des micro-organismes phototropes.

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