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(54) Title: CONTINUOUS-BATCH HYBRID PROCESS FOR PRODUCTION OF OIL AND OTHER USEFUL PRODUCTS FROM PHOTOSYNTHETIC MICROBES

(57) Abstract: A process for cultivating photosynthetic microbes comprising Closed Systems for continuous cultivation and Open Systems for batch cultivation, in which (a) the Closed System Area occupies no more than 20% of the Total Land Area of the cultivation facility; (b) batch cultures in the Open Systems are initiated with an inoculum from the Closed Systems containing acell biomass of no less than 5% of the carrying capacity of said Open System; (c) the doubling rate of said photosynthetic microbe is no less than once every 16 hours; and (d) the residence time of the batch culture in said Open System is no more than a period of 5 days.



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INTERNATIONAL SEARCH REPORT

International application No
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A. CLASSIFICATION OF SUBJECT MATTER

INV. C12N1/12 C12N1/20 C12M1/00 C12M1/04 C12P1/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C12N C12M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, EMBASE, BIOSIS

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/74990 A (STICHTING ENERGIE [NL]; REITH JOHANNES HENRICUS [NL]; HACK CORNELIS JO) 11 October 2001 (2001-10-11) the whole document	1-19
A	WO 2004/009826 A2 (UNIV SHERBROOKE [CA]; UNIV LAVAL [CA]; RIVAL S E C [CA]; TREMBLAY REJE) 29 January 2004 (2004-01-29) the whole document	
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☒ See patent family annex.

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P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

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Z document member of the same patent family

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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