



## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

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<b>(21) International Application Number:</b> PCT/US99/24559  <b>(22) International Filing Date:</b> 21 October 1999 (21.10.99)  <b>(30) Priority Data:</b> 98 2 29712.2      21 October 1998 (21.10.98)      CN 98 2 29711.4      21 October 1998 (21.10.98)      CN Not furnished      20 October 1999 (20.10.99)      US  <b>(71)(72) Applicant and Inventor:</b> HSU, Wei, K. [US/US]; 113 Highway 24, Commerce, TX 75429 (US).  <b>(74) Agent:</b> PERNIA, Sherman, D.; 2715 Sailors Moon Drive, Friendswood, TX 77546-3455 (US).		<b>(81) Designated States:</b> European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE).  <b>Published</b> <i>With international search report.</i>  <b>(88) Date of publication of the international search report:</b> 24 August 2000 (24.08.00)
<b>(54) Title:</b> A STERILIZABLE CULTIVATION SYSTEM WITH SEPARATELY ATTACHABLE MICROFILTRATION MEMBRANE		
<b>(57) Abstract</b>		
<p>A sterilizable cultivation system is provided for growing selected organisms for use in biological applications and the cultivation edible fungi. A sealable, sterilizable container (11) holds a growth substrate in a sterile condition. A separate, adhesive vent filter (21) is provided, which is adhereable to a vent opening (15) in the container. The vent filter (21) is gas permeable and allows gas exchange between the interior of the container and the ambient environment, but prevents the passage of microbes and other organisms into or out of the container.</p>		

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INTERNATIONAL SEARCH REPORT

International application No.  
PCT/US99/24559

A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) :C12M 1/04

US CL :435/297.1, 304.1; 383/100, 101, 102, 103

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)

U.S. : 435/297.1, 304.1; 383/100, 101, 102, 103

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 practicable, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 4,027,427 A (STOLLER et al.) 07 June 1977, description of figures 1 and 2.	1-20
Y	US 4,311,477 A (KITAMURA et al.) 19 January 1982, see description of figure 2.	1,2,4,10,12,13,18,19
Y	US 4,935,371 A (RICKLOFF) 19 June 1990, see description of figures 5 and 6.	1, 2, 4, 5, 10, 12,17,18, 19

Further documents are listed in the continuation of Box C.  See patent family annex.

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