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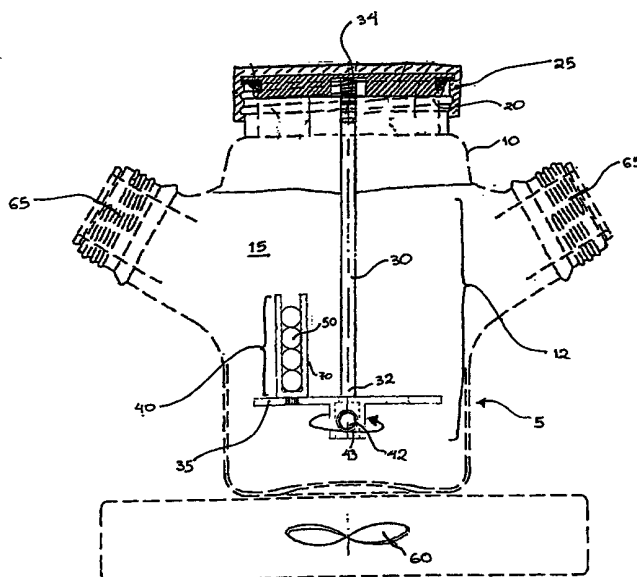
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(54) Title: CELL CULTURE SPINNER FLASKS



(57) Abstract: The present invention relates to culturing devices that are compact, utilize small amounts of cell culture media to establish and maintain cell cultures, and produce a large number of cells in a short period of time when compared to other cell culturing devices and techniques. Such devices are useful in the culture of all cell types, but are particularly useful in the culture of cells that are known in the art to be difficult to culture, including cells that lose one or more of their particular attributes/characteristics (e.g., pluripotentiality), or cells that are difficult to establish cultures of (e.g. primary cells), during culturing in traditional cell culture devices.

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/US 00/26122

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 C12M3/00 C12M3/04

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)

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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, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                        | Relevant to claim No.             |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
| X          | EP 0 421 211 A (MUELLER LIERHEIM AG)<br>10 April 1991 (1991-04-10)<br><br>claims; figures<br>---                                                                                          | 1-8,<br>14-17,<br>55-57,<br>62,63 |
| X          | GB 2 097 817 A (PRENDERGAST<br>ANGELA;PRENDERGAST EDWARD JOHN;<br>PRENDERGAST LEO; PRENDERGA)<br>10 November 1982 (1982-11-10)<br>page 2, line 5 - line 8; claims; figures<br>---<br>-/-- | 1,2,4,6,<br>62,63                 |

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                 | Relevant to claim No.             |
|------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------|
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# INTERNATIONAL SEARCH REPORT

Information on patent family members

Int. .tional Application No

PCT/US 00/26122

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