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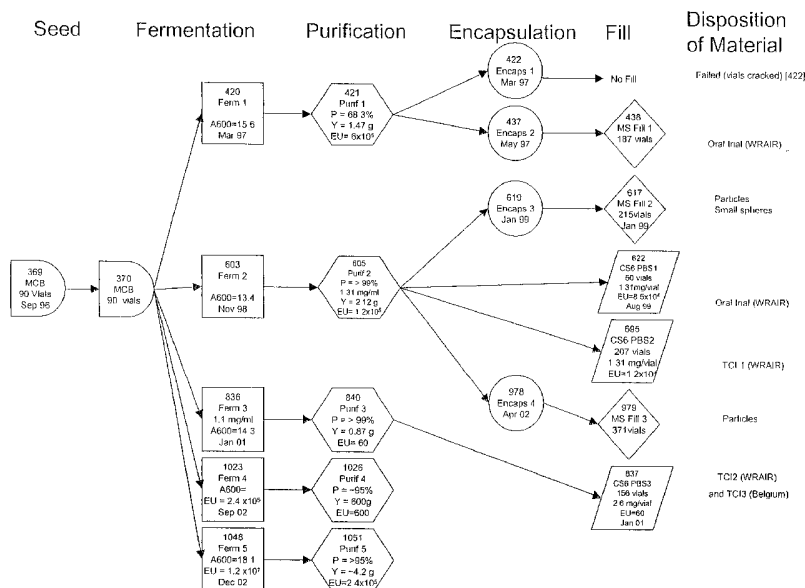
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[Continued on next page]

(54) Title: METHOD OF MAKING CS6 ANTIGEN VACCINE FOR TREATING, PREVENTING, OR INHIBITING ENTEROTOXIGENIC ESCHERICHIA COLI INFECTIONS



(57) Abstract: Disclosed herein are methods for making large amounts of highly pure colonization factors. The methods of the present invention differ from prior art methods in that host cells which express the colonization factor of interest are cultured in media comprising more than about 50 µg/l of an antibiotic, the media is centrifuged and then filtered with a 0.2 µm filter tangential flow cartridge and a 300,000 MW cut-off filter, and a divalent cation is added. As disclosed herein the colonization factors made by the method of the present invention may be used in pharmaceutical compositions and methods for treating or preventing enterotoxigenic Escherichia coli infections.



— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

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# INTERNATIONAL SEARCH REPORT

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## A. CLASSIFICATION OF SUBJECT MATTER

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US CL : 435/ 69.1, 69.3, 71.1, 71.2, 91, 170, 172.3, 252.1, 252.3, 252.33

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/ 69.1, 69.3, 71.1, 71.2, 91, 170, 172.3, 252.1, 252.3, 252.33

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)  
WEST, CAPLUS, DERWENT, BIOTECHNO, MEDLINE, SCISEARCH, JAPIO, EPLUS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                          | Relevant to claim No. |
|------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
| X          | US 5,698,416 A (WOLF et al.) 16 December 1997 (16.12.1997), see entire document.                                                                                                                            | 1-47                  |
| Y          | US 5,935,838 A (ASKELOF et al.) 10 August 1999 (10.08.1999), see entire document.                                                                                                                           | 1-47                  |
| Y          | US 5,914,114 A (CASSELS) 22 June 1999 (22.06.1999), see entire document.                                                                                                                                    | 1-47                  |
| A          | WOLF, M.K. Occurrence, Distribution and Associations of O and H Serogroups, Colonization Factor Antigens, and Toxins of Enterotoxigenic E. coli. Clin. Micro. Rev. Oct. 1997, Vol. 10. No.4, pages 569-584. | 1-47                  |

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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

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