



Europäisches Patentamt
European Patent Office
Office européen des brevets



Publication number:

0 363 120 A3

12

EUROPEAN PATENT APPLICATION

Application number: 89310048.7

Int. Cl.⁵ **B04B 5/04**

Date of filing: 02.10.89

Priority: 07.10.88 US 255127

Date of publication of application:
11.04.90 Bulletin 90/15

Designated Contracting States:
BE DE FR GB IT

Date of deferred publication of the search report:
23.01.91 Bulletin 91/04

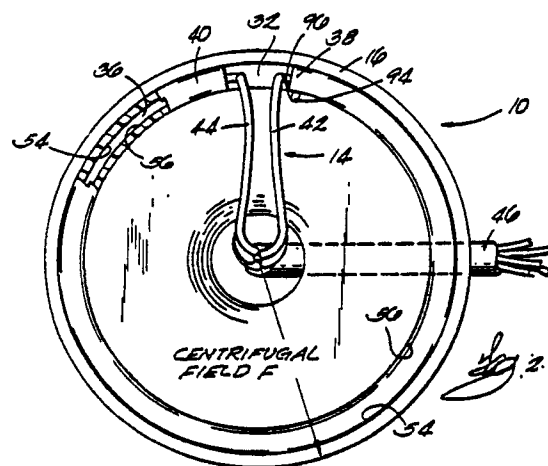
Applicant: **BAXTER INTERNATIONAL INC.**
One Baxter Parkway
Deerfield, IL 60015(US)

Inventor: **Dennehey, Michael T.**
1411 North Hickory
Arlington Heights IL 60004(US)
Inventor: **West, Joseph C.I., Jr.**
521 Dymond Road
Libertyville IL 60048(US)

Representative: **MacGregor, Gordon et al**
ERIC POTTER & CLARKSON St. Mary's Court
St. Mary's Gateate
Nottingham, NG1 1LE(GB)

Centrifugal fluid processing system and method.

A centrifugal processing system and method introduces fluid to be processed into a centrifugation chamber, while directing the fluid away from the region of the chamber where the largest centrifugal (or "G") forces exist. The fluid is also conveyed into the force field as a generally uniform stream having reduced turbulence or being essentially free of turbulence. The system and method thereby establish, upon the entry of a high velocity fluid stream into the centrifugal field, non-turbulent and uniform flow conditions conducive to effective separation. The system and method also direct the fluid in a way the maximizes the effective surface area of the centrifugation chamber for separation. Effective separation can thereby be achieved at high inlet flow rates.



EP 0 363 120 A3



EUROPEAN SEARCH REPORT

Application Number

EP 89 31 0048

| DOCUMENTS CONSIDERED TO BE RELEVANT | | | |
|---|---|------------------------------|---|
| Category | Citation of document with indication, where appropriate, of relevant passages | Relevant to claim | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| X,Y | US-A-4 091 989 (SCHLUTZ) * column 6, line 61 - column 7, line 10 * * column 10, line 45 - column 12, line 10; figures 2, 5 * - - - | 1-4,5-9 | B 04 B 5 04 |
| Y,A | EP-A-0 261 468 (FRESENIUS AG) * column 10, line 6 - column 11, line 12; figure 4 * - - - | 5-9,1-4 | |
| A | US-A-2 662 687 (SPROSS) * column 3, lines 24 - 55; figures 1, 2 * - - - - - | 1-8 | |
| | | | TECHNICAL FIELDS SEARCHED (Int. Cl.5) |
| | | | B 04 B |
| The present search report has been drawn up for all claims | | | |
| Place of search | | Date of completion of search | Examiner |
| The Hague | | 04 December 90 | OECHSNER DE CONINCK |
| <p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone</p> <p>Y : particularly relevant if combined with another document of the same category</p> <p>A : technological background</p> <p>O : non-written disclosure</p> <p>P : intermediate document</p> <p>T : theory or principle underlying the invention</p> <p>E : earlier patent document, but published on, or after the filing date</p> <p>D : document cited in the application</p> <p>L : document cited for other reasons</p> <p>& : member of the same patent family, corresponding document</p> | | | |