

Title (en)

Centrifugal fluid processing system and method.

Title (de)

Verfahren und Vorrichtung zur zentrifugalen Behandlung von Flüssigkeiten.

Title (fr)

Procédé et dispositif de traitement centrifuge de liquides.

Publication

EP 0363120 B1 19931124 (EN)

Application

EP 89310048 A 19891002

Priority

US 25512788 A 19881007

Abstract (en)

[origin: EP0363120A2] 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 that maximizes the effective surface area of the centrifugation chamber for separation. Effective separation can thereby be achieved at high inlet flow rates.

IPC 1-7

B04B 5/04

IPC 8 full level

C12M 1/00 (2006.01); **A61M 1/02** (2006.01); **B01D 21/26** (2006.01); **B04B 5/00** (2006.01); **B04B 5/04** (2006.01)

CPC (source: EP)

B04B 5/0442 (2013.01)

Cited by

US5904645A; US6511411B1; US5792038A; US5954626A; US6053856A; EP0526869A1; US5501840A; WO9115300A1; WO9743045A1

Designated contracting state (EPC)

BE DE FR GB IT

DOCDB simple family (publication)

EP 0363120 A2 19900411; **EP 0363120 A3 19910123**; **EP 0363120 B1 19931124**; CA 1334189 C 19950131; DE 363120 T1 19900906; DE 68910928 D1 19940105; DE 68910928 T2 19940630; JP 2967280 B2 19991025; JP H02172546 A 19900704

DOCDB simple family (application)

EP 89310048 A 19891002; CA 613606 A 19890927; DE 68910928 T 19891002; DE 89310048 T 19891002; JP 26121689 A 19891005