

Title (en)
CENTRIFUGE

Publication
EP 0109652 B1 19880601 (DE)

Application
EP 83111445 A 19831115

Priority
DE 3242541 A 19821118

Abstract (en)
[origin: US4540397A] A centrifugal apparatus, in particular a flow-through centrifugal apparatus for processing biological fluids in continuous fluid communication, has a flexible tube securely fixed to a rotatably processing chamber and a stationary terminal coaxially above said processing chamber, and being formed in a loop around the outer periphery of said processing chamber so as, in operation, to orbit said loop around said processing chamber at half the rotational speed thereof to avoid twisting or drilling of said tube. To guide said loop of tube in its orbital movement, a rotating frame is provided also rotating at half the speed of the processing chamber. The drive trains for said processing chamber and said rotating frame, respectively, each comprise an individual drive shaft each drivingly connected separate from the other to a drive motor. This avoids any necessity of reversal of rotational direction in the drive trains and allows for a compact and simple construction with a minimum of rotating masses.

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B04B 5/04; B04B 9/08; B04B 11/02

IPC 8 full level
B04B 5/00 (2006.01); **B04B 5/04** (2006.01); **B04B 9/08** (2006.01); **B04B 11/02** (2006.01)

CPC (source: EP US)
B04B 5/0442 (2013.01 - EP US); **B04B 9/08** (2013.01 - EP US)

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EP 0109652 A2 19840530; **EP 0109652 A3 19851009**; **EP 0109652 B1 19880601**; AT E34676 T1 19880615; DE 3242541 A1 19840524; DE 3242541 C2 19870917; DE 3376805 D1 19880707; JP H0651133 B2 19940706; JP S59156448 A 19840905; US 4540397 A 19850910

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