

Title (en)

Laboratory centrifuge with imbalance stop.

Title (de)

Laborzentrifuge mit Unwuchtabschaltung.

Title (fr)

Centrifugeuse pour laboratoire s'arrêtant en cas de déséquilibre.

Publication

EP 0648541 A3 19950920 (DE)

Application

EP 94115988 A 19941011

Priority

DE 4335119 A 19931015

Abstract (en)

[origin: EP0648541A2] A laboratory centrifuge with a rotor which has vessel holders and a motor which drives the said rotor in rotation and has an upright shaft, the stator of which motor is mounted on the housing of the centrifuge by means of sprung suspensions, and with a deactivation device which controls the motor and which uses an element attached to the stator and an element attached to the housing to determine the deflection of the stator occurring at the maximum acceptable limit imbalance and switches off the motor, is characterised in that one of the two elements is constructed as a field generator which produces a constant field and the other element is constructed as a field strength detector, the field strength detector being connected to an evaluation device which brings about deactivation when specific changes in the field strength which are produced by the deflection occur. <IMAGE>

IPC 1-7

B04B 9/14

IPC 8 full level

B04B 9/14 (2006.01)

CPC (source: EP US)

B04B 9/146 (2013.01 - EP US)

Citation (search report)

- [XAY] DE 3935616 A1 19910502 - SIGMA LABORZENTRIFUGEN GMBH [DE]
- [Y] US 4700117 A 19871013 - GIEBELER ROBERT H [US], et al
- [A] DE 1144195 B 19630221 - REACTOR CENTRUM NEDERLAND
- [A] EP 0082956 A1 19830706 - KONTRON HOLDING AG [CH]

Designated contracting state (EPC)

AT BE CH DE ES FR GB IT LI LU NL SE

DOCDB simple family (publication)

EP 0648541 A2 19950419; EP 0648541 A3 19950920; EP 0648541 B1 20000223; AT E189863 T1 20000315; DE 4335119 A1 19950420; DE 4335119 C2 19971120; DE 59409153 D1 20000330; JP 3448113 B2 20030916; JP H07275739 A 19951024; US 5496254 A 19960305

DOCDB simple family (application)

EP 94115988 A 19941011; AT 94115988 T 19941011; DE 4335119 A 19931015; DE 59409153 T 19941011; JP 27306994 A 19941013; US 32261194 A 19941013