

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 B1 20000223 (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  
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