Title (en)

## CENTRIFUGE WITH VERTICAL SPINDLE FOR THE SEPARATION OF MATERIALS OF DIFFERENT DENSITIES

Publication

EP 0311791 A3 19900411 (DE)

Application

EP 88114818 A 19880909

Priority

DE 3734761 A 19871014

Abstract (en)

[origin: EP0311791A2] High-speed centrifuges with a vertical spindle are usually not mounted fixedly with respect to the centrifuge frame in order to avoid high forces and vibrations of the bearings and frame which can arise due to possible unbalances of the drum caused by operation. It is proposed to design the support of the bearing housing (7) of the spindle (5) bearing the drum (6) with respect to the centrifuge frame (8) by means of a pin bearing (9, 10 and 21, 22) and (14, 15 and 29, 30) which is swivellably movable about two axes intersecting at 90 DEG in such a way that, on the one hand, the tensile forces of a drive belt (3) exert no influence on the spindle position and, on the other hand, an elastic return of the spindle into the vertical position can be integrated in this bearing.

IPC 1-7

B04B 9/12

IPC 8 full level

**B04B 9/12** (2006.01)

CPC (source: EP)

**B04B 9/12** (2013.01)

Citation (search report)

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Designated contracting state (EPC)

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