

Title (en)  
ROTOR OF A CENTRIFUGAL SEPARATOR

Title (de)  
ROTOR EINES ZENTRIFUGALABSCHIEDERS

Title (fr)  
ROTOR D'UN SÉPARATEUR CENTRIFUGE

Publication  
**EP 3374085 B1 20191225 (DE)**

Application  
**EP 16805978 A 20161110**

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Abstract (en)  
[origin: WO2017081124A1] The invention relates to a rotor (1) of a centrifugal separator, wherein the rotor (1) comprises a central shaft (11) on which a plate stack (2) formed by multiple plates (20) is arranged in an axially moveable manner, wherein a stack base (3) is arranged on the shaft (11) under the plate stack (2), wherein a stack cap (4) is arranged in an axially moveable manner on the shaft (11) above the plate stack, and wherein the rotor (2) comprises a compression spring (5) surrounding the shaft (11), the first end (51) of which is supported on the shaft (11) and the second end (52) of which is supported on the stack cap (4), pressing together the plate stack (2). The rotor (1) according to the invention is characterised in that a sleeve-like extension (41) is arranged on the stack cap (4), projecting into the plate stack (20) and surrounding the shaft (11) with a separation, in that the compression spring (5) is located inside the extension (41), at least over majority of the axial length thereof, and in that a support surface (45) for the second end (52) of the compression spring (5) on the stack cap side, is arranged on a base of the extension (41).

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