

Title (en)  
PUSHER CENTRIFUGE

Publication  
**EP 0331924 B1 19921223 (DE)**

Application  
**EP 89102291 A 19890210**

Priority  
CH 83488 A 19880307

Abstract (en)  
[origin: JPH01274856A] PURPOSE: To greatly enhance a dehydration rate by diagonally directing the blade members of the outer edge of a pushing ring and constituting these blade members in such a manner that the additive motion component in the circumferential direction of a sieve drum is applied to feedstock for sepn. by accompanying vibration motion. CONSTITUTION: The outer edge of the inner sieve drum 1 is provided with the many blade members 12. These blade members 12 are so constituted as to have the pushing surface inclined with the axial line of the sieve drum and eventually the axial line of rotation thereof. The feedstock for sepn. is then additionally subjected to the motion component in the circumferential direction by such blade members 12 accompanying the each other's vibration of both sieve drums 1, 2. Then, the capillary layer to hinder the permeation of the filtrate formed on the inside surface of the sieve drum 2 as a result of receiving the incessant transportation impulse is destroyed and removed by a shearing effect. Consequently, a large filtrate amt. and eventually a great improvement in the dehydration efficiency are obtd. even in the case of the same centrifugal force.

IPC 1-7  
**B04B 3/02**

IPC 8 full level  
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