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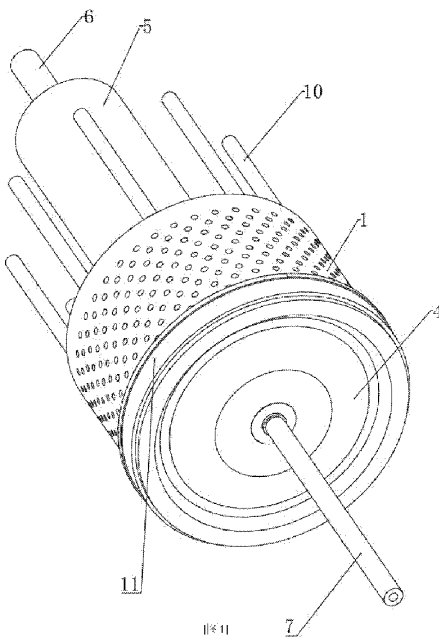
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(54) Title: INVERTING FILTER CENTRIFUGE

(54) 发明名称: 一种翻袋式离心机



(57) Abstract: An inverting filter centrifuge, which relates to the technical field of centrifuges. The inverting filter centrifuge comprises a rotary drum (1), a material-pushing disc (2), a cylindrical filter cloth (3), a sealing cover (4), an outer shaft (5) and an inner shaft (6), wherein the material-pushing disc (2) is connected to the inner shaft (6), two ends of the cylindrical filter cloth (3) are respectively connected to the material-pushing disc (2) and the front end of the rotary drum (1), and a feeding pipe (7) is inserted into the center of the sealing cover (4). A filter cloth cleaning mechanism comprises a steel ring (8), an annular electromagnet (9) and a coil support (10),

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- 包括国际检索报告(条约第21条(3))。
- 在修改权利要求的期限届满之前进行, 在收到该
修改后将重新公布(细则48.2(h))。
- 根据申请人的请求, 在条约第21条(2)(a)所规定的
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wherein the steel ring (8) is magnetically attracted and connected to the annular electromagnet (9) and abuts against the inner side of the cylindrical filter cloth (3). A locking mechanism comprises an annular sealing sleeve (11), wherein the annular sealing sleeve (11) is fixedly connected to the rotary drum (1), and the sealing cover (4) is snap-fitted with the annular sealing sleeve (11). During unloading, the inner shaft (6) pushes the material-pushing disc (2) and the sealing cover (4) to move towards the front end of the rotary drum (1) and drives the rear end of the cylindrical filter cloth (3) to be folded towards the front end thereof, and the steel ring (8) is always attracted by the annular electromagnet (9) and is located at the bend of the cylindrical filter cloth (3) to stretch the cylindrical filter cloth (3) and tighten the folded cylindrical filter cloth (3), preventing the cylindrical filter cloth (3) from being damaged due to irregular folding and squeezing. At the same time, solid materials adhering to the inner ring of the cylindrical filter cloth (3) are scraped off.

(57) 摘要: 一种翻袋式离心机, 涉及离心机技术领域, 包括转鼓(1)、推料盘(2)、筒状滤布(3)、密封盖(4)、外轴(5)和内轴(6), 推料盘(2)与内轴(6)连接, 筒状滤布(3)的两端分别与推料盘(2)和转鼓(1)的前端连接, 密封盖(4)的中心插接有进料管(7), 滤布清理机构包括钢环(8)、环形电磁铁(9)和线圈支架(10), 钢环(8)与环形电磁铁(9)磁吸连接并且与筒状滤布(3)的内侧抵接; 锁紧机构包括环形密封套(11), 环形密封套(11)与转鼓(1)固定连接, 密封盖(4)与环形密封套(11)卡接, 卸料时内轴(6)推动推料盘(2)和密封盖(4)向转鼓(1)前端移动, 并带动筒状滤布(3)的后端向前端对折, 钢环(8)始终被环形电磁铁(9)吸引并位于筒状滤布(3)的弯折处对筒状滤布(3)进行拉扯, 将对折的筒状滤布(3)拉紧, 防止筒状滤布(3)无规则折叠挤压造成损坏, 同时将筒状滤布(3)内圈吸附的固体物料刮下。