

Title (en)

METHOD AND DEVICE FOR ADJUSTING THE LIQUID CONTENT OF A SOLID WITHDRAWN FROM A SELF-DISCHARGING CENTRIFUGAL DRUM OF A SEPARATOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUM EINSTELLEN DES FLÜSSIGKEITSGEHALTS DES AUS EINER SELBSTENTLEERENDEN SCHLEUDERTROMMEL EINES SEPARATORS AUSGETRAGENEN FESTSTOFFES

Title (fr)

PROCEDE ET DISPOSITIF POUR AJUSTER LA TENEUR EN LIQUIDE DE LA MATIERE SOLIDE EXTRAITE D'UN PANIER CENTRIFUGE A VIDAGE AUTOMATIQUE D'UN SEPARATEUR

Publication

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Application

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Abstract (en)

[origin: US6468198B1] The invention is a method and apparatus for adjusting a liquid content of a liquid and solid mixture withdrawn from a self-discharging centrifugal drum of a separator. The method includes the steps of: feeding a solid and liquid mixture into the separator; rotating the drum; separating the liquid and solid mixture during the rotation; bringing the separator to a halt; aspirating the liquid remaining in the interior of the centrifugal drum until a quantity remains which corresponds to a required consistency of a solid; and emptying the centrifugal drum of the solid with the required consistency from the centrifugal drum at a suitable rotational speed. The apparatus is a separator including: a self-discharging centrifugal drum; withdrawal openings; a solid space and a separating space; a feeding tube; a shutoff element; and a piston-type slide valve. A connection piece for the connection of a suction device is arranged below the shut-off element.

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