

Title (en)

Device for controlling and regulating the relative speed between rotary components interacting with one another respectively connected to the rotor and stator of an electric motor.

Title (de)

Vorrichtung zur Steuerung und Regelung der Relativgeschwindigkeit zwischen aufeinanderwirkenden Rotationsteilen, die mit dem Rotor bzw. Stator eines elektrischen Motors verbunden sind.

Title (fr)

Dispositif de contrôle et de régulation de la vitesse relative entre éléments mutuellement interactifs, connectés respectivement au rotor et stator d'un moteur électrique.

Publication

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Application

EP 93202354 A 19930810

Priority

IT MI931691 A 19930728

Abstract (en)

A device for controlling and regulating the relative speed between the scroll (4) and drum (2) of a centrifugal extractor, comprising a dc or ac electric motor (10), stator (10a) of which is made integral with drum (2) and rotor (10b) of which is made integral with a gear (7) which drives scroll (4) via appropriate means (7a, 8a, 14a; 7b, 8b, 14b) of connection, there being furthermore provided means (30a, 30b) for detecting the speeds of rotation of such rotor (10b) and stator (10a) and for converting them into a representative electric signal, and means (40, 50) for comparing such electric signals designed to emit a signal (Drs) capable of operating means (60; 1060) for supplying to rotor (10b) a current capable of compensating for any deviations of the parameters of the extractor from the programmed operating conditions. <IMAGE>

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