

Title (en)

Method, control device and drive device for releasing a fixed load from the internal wall of a grinding tube

Title (de)

Verfahren Steuervorrichtung und Antriebsvorrichtung zum Lösen einer festgeklebten Ladung von der Innenwand eines Mahlrohrs

Title (fr)

Procédé, dispositif de commande et dispositif d'entraînement destinés à détacher un chargement collé à la paroi intérieure d'un tube broyeur

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Application

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Abstract (en)

[origin: WO2005092508A1] The invention relates to a method for detaching a charge (5) which is stuck to the inner wall of a grinding pipe (1), wherein the drive device (2) of the grinding pipe (1) is controlled by a control device (3) for targeted removal of the charge (5) that is stuck. The grinding pipe (1) is rotated in a targeted manner such that the charge (5) that is stuck is removed from the inner wall of the grinding pipe (1) as a result of multiple modification of the rotational speed of the grinding pipe (1) and, optionally, as a result of abrupt braking of the grinding pipe (1). Generally speaking, the material-dependent maximum angle of rotation F of the grinding pipe is not exceeded in order to avoid the charge that is stuck from falling in an uncontrolled manner. The invention supercedes labour-intensive and protracted methods for detaching such charges (5) since the tasks can be carried out by the same motor of the drive device (2) which is used to drive the grinding pipe (1) during the grinding process.

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