

Title (en)

Method and device for adjustment of working characteristics of an impact mechanism to the hardness of the material to be destroyed

Title (de)

Verfahren und Einrichtung zur Anpassung des Arbeitsverhaltens eines Schlagwerks an die Härte des Zerkleinerungsmaterials

Title (fr)

Procédé et dispositif pour ajustage des caractéristiques de travail d'un mécanisme à coup à la dureté des matériaux à broyer

Publication

EP 0486898 B1 19960501 (DE)

Application

EP 91119042 A 19911108

Priority

DE 4036918 A 19901120

Abstract (en)

[origin: EP0486898A1] With the invention the proposal is made of installing a control on the continuous measurement of the number (z) of impacts of the impact piston or the number (z) of impacts of the impact piston and of the input quantity stream (Qe) into the impact mechanism (6) and to implement said control at an actuator (20) in such a way that if required the internal resistance of one of the two cooperating work units, namely the conveyor unit (3) and the impact mechanism (6) is changed. <?>The control is constructed in such a way that the internal resistance is increased with the rise of at least one of the measurement variables to an adjustable desired value of a performance characteristic variable - with which value a threshold value (z0 and (z/Q)0) which comprises at least the number of impacts is preset. <?>The two aforesaid performance characteristic variables (z) and (Qe) are determined here outside the impact mechanism (6). <IMAGE>

IPC 1-7

B25D 9/26; **E02F 3/96**

IPC 8 full level

B25D 9/26 (2006.01); **E02F 3/96** (2006.01)

CPC (source: EP US)

B25D 9/26 (2013.01 - EP US); **E02F 3/966** (2013.01 - EP US)

Citation (examination)

GB 1294901 A 19721101

Cited by

FR3007154A1; CN110173485A; EP0778110A3; FR3007153A1; CN105339138A; WO2014198514A1; WO2014198515A1; WO2009083716A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI

DOCDB simple family (publication)

EP 0486898 A1 19920527; **EP 0486898 B1 19960501**; AT E137431 T1 19960515; DE 4036918 A1 19920521; DE 59107760 D1 19960605; JP H04289083 A 19921014; US 5174387 A 19921229

DOCDB simple family (application)

EP 91119042 A 19911108; AT 91119042 T 19911108; DE 4036918 A 19901120; DE 59107760 T 19911108; JP 30498291 A 19911120; US 79531591 A 19911120