

Title (en)

Device for the remote control of the gap separating an impact surface from a rotor of an impact breaker.

Title (de)

Vorrichtung zur Fernsteuerung der Distanz, welche eine Prallplatte von einem Rotor einer Prallmühle trennt.

Title (fr)

Dispositif pour le réglage à distance de l'intervalle séparant une enclume d'un rotor de concasseur à percussion.

Publication

**EP 0019541 A1 19801126 (FR)**

Application

**EP 80400657 A 19800513**

Priority

FR 7912576 A 19790517

Abstract (en)

1. Device for the remote control of the gap separating an impact surface from a rotor of an impact breaker, including a rod (6) one end of which is connected to the impact surface, a variable volume chamber (23), the rod (6) being movable lengthwise according to the volume variations of the said chamber, the latter being defined by a cylinder (24) coaxial to the rod (6), the said cylinder being fitted with a bottom (25) at its farthest end from the impact surface, and by a piston (30) movable in a fluidtight manner inside the cylinder (24), and a hydraulic power plant (33) connected to the variable volume chamber (23), characterized by the fact that the piston (30) to which the other end of the rod (6) is fastened, undergoes a continuous back-pressure due to the action of resilient means (26), the said back-pressure acting in the direction which brings the impact surface and the rotor nearer, and by the fact that the hydraulic power plant (33) includes means to introduce into and remove from the variable volume chamber (23) dosed quantities of liquid.

Abstract (fr)

Dans un dispositif pour le réglage à distance de l'intervalle séparant une enclume (2) d'un rotor de concasseur à percussion, ladite enclume est relié à l'une des extrémités d'une tige (6). Pour assurer le réglage lorsque le concasseur est en service, notamment à la suite d'une perturbation accidentelle, le dispositif comporte une chambre à volume variable (23), la tige (6) étant assujettie à se déplacer longitudinalement suivant les variations de volume de ladite chambre, et une centrale hydraulique (33) comprenant des moyens pour introduire dans la chambre (23) et pour extraire de celle-ci des quantités dosées de liquide, afin de faire varier le volume de ladite chambre.

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**B02C 13/09**

IPC 8 full level

**B02C 13/09** (2006.01)

CPC (source: EP)

**B02C 13/095** (2013.01)

Citation (search report)

- FR 2374958 A1 19780721 - INT ENGINEERING CORP [FR]
- DE 2037104 A1 19720203

Cited by

EP1655072A1; DE3911271A1; US5226604A; DE3525101A1; FR2584624A1; EP1346774A1; FR2837407A1; CN105195261A; US2021370308A1; US11779932B2; DE102017002079B4; US6953168B2; WO2005094998A1; EP3919177A1; DE102020114106A1; DE102020114106B4

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