

Title (en)

Method to automatically adjust the functional parameters of a percussion apparatus.

Title (de)

Verfahren zum automatischen Anpassen der Funktionsparameter eines Schlagapparates.

Title (fr)

Procédé pour ajuster automatiquement des paramètres de fonction d'un appareil à percussion.

Publication

EP 0426928 A1 19910515 (EN)

Application

EP 89830451 A 19891018

Priority

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Abstract (en)

The device exploits the striking mass rebound energy, which depends on the hardness of the material on which the tool operates. It is based on the functioning of the device as in the European Patent No. 0085279, and in providing adequate means to vary the distributor stroke during the piston upward-moving phase, as to anticipate or to postpone the percussion phase when the tool operates respectively on a less or more hard material. In this first case, the anticipation of the percussion stroke causes a decrease in the volume of the cylindrical chamber where the pressurized oil works and therefore, under the same power, it causes an increase in the blows frequency, if the working oil flow maintains unaltered.

IPC 1-7

B25D 9/26

IPC 8 full level

B25D 9/26 (2006.01)

CPC (source: EP)

B25D 9/26 (2013.01)

Citation (search report)

- [AD] EP 0085279 A1 19830810 - VITULANO MAURO
- [A] EP 0256955 A1 19880224 - MONTABERT ETS [FR]
- [AD] FR 2509217 A1 19830114 - MONTABERT ETS [FR]

Cited by

ITBA20120055A1; WO2019190381A1; US7156190B2; WO2005065891A1; WO2014045264A1; US6877569B2; EP1964647A2; WO0078510A3

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