

Title (en)

Method for the detection, during operation, of the occurrence of an optimum rapping time for the rapping of the electrodes of an electrofilter.

Title (de)

Verfahren zum betriebsmässigen Feststellen des Vorhandenseins eines Klopftaktoptimums für die Elektrodenklopfung eines Elektrofilters.

Title (fr)

Méthode pour la détection, pendant le fonctionnement, de l'occurrence d'un temps de frappe optimale, pour le battage des électrodes d'un électrofiltre.

Publication

EP 0132660 A2 19850213 (DE)

Application

EP 84107909 A 19840706

Priority

DE 3326040 A 19830720

Abstract (en)

[origin: US4521223A] A method for operationally determining the existence of an optimal rapping interval for the collector electrodes of an electrostatic precipitator comprises the comparison of the current-voltage characteristics for precipitator operation under pure-gas conditions and actual use conditions. If the comparison indicates that the resistance of accumulated dust layers is greater than the resistance of air, then an optimal rapping interval exists. This interval may be calculated analytically or approximated by means of an iterative process.

Abstract (de)

Bei einem Elektrofilter wird das Vorhandensein eines Klopftaktoptimums für die Niederschlagselektroden aus dem Vergleich der Abscheiderkennlinien im Reingasbetrieb und aktuellem Abscheiderbetrieb bestimmt.

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