

Title (en)

METHOD OF REGULATING THE VOLTAGE OF AN ELECTRICAL PRECIPITATOR IN A PLANT

Publication

**EP 0039817 B1 19840808 (DE)**

Application

**EP 81103149 A 19810427**

Priority

DE 3017685 A 19800508

Abstract (en)

[origin: US4432061A] A system for controlling the voltage of an electrofilter of the type which, after a voltage breakdown, substantially reduces the magnitude of the electrofilter voltage. After a predetermined deionization time, the filter voltage is raised to a new level which is lower than the filter voltage at which the initial voltage breakdown occurred, by a predetermined amount. The filter voltage is subsequently raised in accordance with a predetermined voltage-time function until a further voltage breakdown occurs. The electrofilter voltage is controlled by a microcomputer system in accordance with stored control parameter values. The stored control parameter values are advantageously recalled to control the electrofilter voltage in response to the operating state of a plant in which the electrofilter is employed. In plants wherein a plurality of electrofilters are employed, each such electrofilter is controlled by an associated microcomputer system, the plural microcomputer systems being controlled by a central pilot computer. The central pilot computer of the plant computes strategies which enhance the energy efficiency of the overall electrofilter purification system.

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**B03C 3/68**

IPC 8 full level

**B03C 3/68** (2006.01)

CPC (source: EP US)

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Cited by

EP0186338A3; EP0071592A3; AT406345B; DE4142501C1; EP0549007A1; EP2873464A1; CN105992651A; WO2015071151A1; WO9735666A1

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