

Title (en)

Process and device for load-related operation of a filtration device for swimming pools

Title (de)

Verfahren und Vorrichtung zum belastungsabhängigen Betreiben einer Filteranlage in Schwimmbädern

Title (fr)

Procédé et dispositif pour le fonctionnement dépendant de la charge d'une installation de filtration pour piscines

Publication

**EP 0805246 B1 20000126 (DE)**

Application

**EP 96104859 A 19960327**

Priority

EP 96104859 A 19960327

Abstract (en)

[origin: EP0805246A1] Process to operate a swimming pool filter unit depending upon the current load. The unit pumps water leaving the pool with a pump driven by an electric motor, whose rotation speed is adjustable, via at least one filter device (5) and back to the pool. The water level in the container (3) is recorded by sensors (6) as a measure of the number of bathers in the pool (1), then processed (7) and fed to a process computer (8). Here, the value is used along with other process variables such as water loss, fresh water feed, water run off, pump and filter coefficients, to obtain a control value to regulate the frequency re-set (9). This affects the required water flow rate via the filter pump (4), found by the equation:  $Q_{\text{reg}} = R \times Q_h 100$ . Also claimed is a device to carry out the above process.

IPC 1-7

**E04H 4/12**

IPC 8 full level

**E04H 4/12** (2006.01)

CPC (source: EP)

**E04H 4/1209** (2013.01)

Cited by

FR3108644A1; WO2021198037A1

Designated contracting state (EPC)

AT BE CH DE DK ES FR GR IT LI NL PT SE

DOCDB simple family (publication)

**EP 0805246 A1 19971105; EP 0805246 B1 20000126**; AT E189290 T1 20000215; DE 59604298 D1 20000302

DOCDB simple family (application)

**EP 96104859 A 19960327**; AT 96104859 T 19960327; DE 59604298 T 19960327