

Title (en)
TREATMENT OF FLUIDS

Title (de)
BEHANDLUNG VON FLÜSSIGKEITEN

Title (fr)
TRAITEMENT DE FLUIDES

Publication
EP 3429966 A1 20190123 (EN)

Application
EP 17713380 A 20170315

Priority
• GB 201604397 A 20160315
• GB 2017050699 W 20170315

Abstract (en)
[origin: GB2548491A] A method of treating fluid comprises the steps of: (a) passing a fluid into a fluid treatment zone 101 defined between electrodes 5, 7 and electrolysing the fluid within the treatment zone to form an electrolysed fluid; (b) adding ballast to the fluid within the treatment zone and/or downstream of the fluid treatment zone; (c) sonicating fluid within the fluid treatment zone; and (d) mixing the electrolysed fluid to cause flocculation. Preferably, the electrodes comprise a grounded electrode 7 and an anode 5, wherein the grounded electrode may provide a housing defining the fluid treatment zone. Ultrasound generators 12 may be mounted on the grounded electrode. In another aspect a fluid treatment system comprises an electrolysing means, a ballast addition means, and a mixing means 121, the system also comprises means for monitoring electrical characteristics between first and second electrodes of the electrolysing means in a treatment zone such that the voltage between the electrodes is automatically variable to achieve a set current amperage. The system also comprises a monitoring means for monitoring one or more chemical parameters of the fluid either upstream and/or downstream of the treatment zone and automatically set the operating amperage for the treatment zone.

IPC 8 full level
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CPC (source: EP GB)
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Citation (search report)
See references of WO 2017158348A1

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