REACTORS AND APPARATUS

Abstract

Disclosed herein are a reactor for removing a contaminant from a fluid, the reactor comprising a cathode comprising a sintered activated carbon filter, and an anode, and an apparatus for removing a contaminant from a fluid, the apparatus comprising at least one reactor as aforementioned, the inlet of the at least one reactor being in fluid communication with a fluid source containing one or more contaminants, a power supply connected to the cathode and anode, and a receptacle in fluid communication with the outlet of the one or more reactors. Also disclosed herein are a method of removing a contaminant from a fluid and use of a sintered activated carbon filter as defined herein for the removal of contaminant in a fluid in an electrochemical advanced oxidation process.

[Fig. 1]