ABSTRACT

The invention concerns an electrochemical cell with emission controlled by electrodeposition under the action of a control voltage. The cell comprises the following flexible elements, superimposed and respectively in intimate contact:

- a first electrode (11) intended to be connected to a first potential of the control voltage,
- a first porous layer (12), formed of a mixture of PVDF-HFP, PEO and an activated carbon powder,
- a porous separator (13), formed of a mixture of PVDF-HFP and PEO,
- a second electrode (14) formed of a grid and connected to a second potential of the control voltage,
- a second porous layer (15), formed of a mixture of PVDF-HFP, PEO and carbon powder,

an aqueous electrolytic solution containing a copper salt being contained in the first flexible layer (12), in the separator (13) and in the second flexible layer (15).

Figure 3.