

TECHNIQUES FOR PROMOTING CURRENT EFFICIENCY IN ELECTROCHEMICAL SEPARATION SYSTEMS AND METHODS

ABSTRACT OF THE DISCLOSURE

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An electrochemical separation system may be modular and may include at least a first modular unit and a second modular unit. Each modular unit may include a cell stack and a frame. The frame may include a manifold system. A flow distribution system in the frame may enhance current efficiency. Spacers positioned between modular units may also enhance
10 current efficiency of the system.

Figure 1