

ABSTRACT

SYSTEMS AND TECHNIQUES FOR ELECTRODIALYSIS

5 Electrochemical separation devices are configured for lower energy consumption.
Techniques for reducing shadow effect may involve providing distance between a spacer
screen and an adjacent ion-selective membrane. A spacer having a screen that is thin relative
to a surrounding frame may be used. Mild pressure may also be applied to a compartment to
promote distance between a spacer screen and an adjacent ion-selective membrane.

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FIG. 1