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(54) Title: ELECTRODIALYSIS METHOD AND APPARATUS FOR PASSIVATING SCALING SPECIES

Mixture of X^+ , Y^- (non-scaling species)
and S^+ , T^- (scaling species)

- can represent -1, -2, -3...

+ can represent +1, +2, +3...

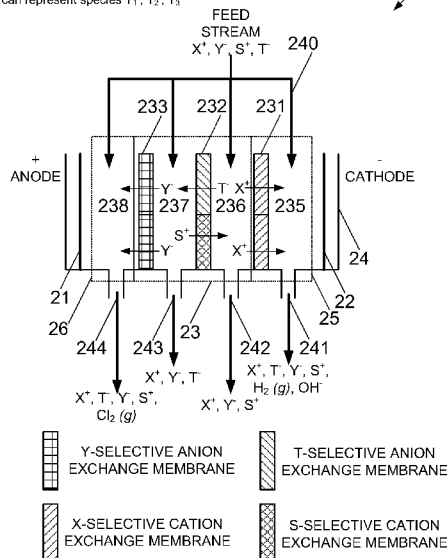
 X^+ can represent species X_1^+ , X_2^+ , X_3^+ S^+ can represent species S_1^+ , S_2^+ , S_3^+ Y^- can represent species Y_1^- , Y_2^- , Y_3^- T^- can represent species T_1^- , T_2^- , T_3^- 

Fig. 1

(57) Abstract: In one embodiment, this invention relates to an electrodiagnosis device comprising an inlet for directing a feed stream into a plurality of first feed paths and a plurality of second feed paths; the feed stream is comprised of a first anionic, scaling species and a first cationic scaling species; the first cationic scaling species is transferred from the second feed paths to the first feed paths through a first membrane group, the first anionic scaling species is transferred from the first feed paths to the second feed paths through the first membrane group. In another embodiment, this invention relates to a method for passivating scaling species in an electrodiagnosis device.