

Position Detection Device, Position Detection Method,
and Position Detection Program

[Name of Document] Abstract

5 The present invention provides an electrodeionization
system (1) comprising a plurality of electrodeionization
devices (1A) installed in parallel and also provides a
control method therefor. The electrodeionization system (1)
comprises: a supply water flow rate varying means that varies
10 a flow rate of supply water to the plurality of
electrodeionization devices (1A); a concentrated water flow
rate adjusting means that adjusts, for each
electrodeionization device (1A), a flow rate of concentrated
water (W4) discharged from each of the plurality of
15 electrodeionization devices (1A); and a concentrated water
flow rate maintaining means that maintains the flow rate of
concentrated water (W4) discharged from each of the plurality
of electrodeionization devices (1A) at a certain level or
higher. The concentrated water flow rate maintaining means
20 is installed only in a main flow path (23) in which a
plurality of sub-flow paths (22) are integrated and a main
path (25) in which a plurality of sub-paths (24) are
integrated. Desalted water (W2) produced in each of the
plurality of electrodeionization devices (1A) flows through
25 each of the plurality of sub-flow paths (22) while
concentrated water (W4) discharged from each of the plurality
of electrodeionization devices (1A) flows through each of
the plurality of sub-paths (24). According to the present
invention, it is possible to provide an electrodeionization
30 system that reduces the production cost while suppressing
the occurrence of scale due to a decrease in the flow rate
of supply water to each electrodeionization device and a
control method therefor.

35 Figure 2