



US005152252A

# United States Patent [19]

[11] Patent Number: **5,152,252**

Bolton et al.

[45] Date of Patent: **Oct. 6, 1992**

## [54] WATER TREATMENT CONTROL SYSTEM FOR A BOILER

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[21] Appl. No.: **824,634**

[22] Filed: **Jan. 23, 1992**

[51] Int. Cl.<sup>5</sup> ..... **F22B 5/02**

[52] U.S. Cl. .... **122/401; 122/451 R; 137/5; 210/139; 210/177**

[58] Field of Search ..... **122/451 R, 401; 210/96.1, 138, 139, 177; 137/5**

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### [57] ABSTRACT

An apparatus controls treatment of water flowing through a boiler and includes a device that monitors the conductivity of the water. A controller opens a drain valve at periodic intervals, and closes the drain valve when the conductivity drops below a defined threshold. A mechanism measures the volume of water that flows into the boiler and a chemical is added to the water when a specified amount of water has flowed into the boiler. Alternatively the application of the chemical can occur at regular intervals of time. The chemical is applied for a user definable period of time. The application of the chemical is suspended when the cessation of water flow into the boiler is detected.

15 Claims, 7 Drawing Sheets

