50. The method of claim 47, wherein the output signal is applied to at least two coils with each coil separated by a predetermined distance.

51. An assembly for fluid treatment, the assembly comprising: at least one filtering membrane, and an apparatus for reducing the production of scale on the membrane, wherein the apparatus comprises a non-metallic element adapted in use to be connected directly or indirectly to the membrane and at least one coil being wound around the element and adapted in use to generate an electrodynamic field with a desired sweeping wave frequency.

52. In an assembly for fluid treatment comprising at least one filtering membrane, the use of an apparatus for reducing the production of scale on the membrane, wherein the apparatus comprises a non-metallic element adapted in use to be connected directly or indirectly to the membrane and at least one coil wound around the element adapted in use to generate an electrodynamic field with a desired sweeping wave frequency.

53. A method for reducing the production of scale on a filtering membrane, the method comprising the steps of: directing a fluid flow through a non-metallic element having at least one coil wound there around, generating an electrodynamic field with a desired sweeping wave frequency, and directing the fluid flow into and/or through the membrane.

~~54. The method of any one of claims 13, 41 and 47 substantially as herein described with reference to the accompanying figures.~~

~~55. The system of any one of claims 1 and 28 substantially as herein described with reference to the accompanying figures.~~