Attorney Docket No. 223644-01263

ENCAPSULATED WATER TREATMENT SYSTEM

This application claims priority to U.S. Provisional Patent Application Serial No. 60/647,680, filed January 27, 2005.

FIELD OF INVENTION

The present invention relates to water treatment systems and, in particular, to such systems having an encapsulated manifold head and a reverse osmosis cartridge and one or more filter cartridges.

BACKGROUND OF THE INVENTION

Reverse osmosis systems are known. The main part of the system is a semi-permeable membrane through which the untreated water passes. Such systems typically include an additional carbon or ceramic filter which removes contaminates either prior to passing through the membrane or after. Such systems are often installed in residential applications.

The prior art includes electronic systems which detect when the reverse osmosis membrane requires replacement. Typical prior art systems include