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SPECIFICATION



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HOLLOW FIBER MEMBRANE MODULE, AND A MANUFACTURING METHOD THEREFOR, AND HOUSING FOR HOLLOW FIBER MEMBRANE MODULE

Technical Field

The present invention relates to a hollow fiber membrane module, a method for manufacturing therefore, and a hollow fiber membrane module housing which are used for separating and refining a liquid member.

The present application is based on patent application No. 2000-383556 and Japanese Unexamined Patent Applications, First Publication No. 2001-000562, No. 2001-028343, and No. 2001-072857 which are filed at Japanese Patent Office, and the content of which are incorporated herein by reference.

Background Art

Conventionally, a hollow fiber membrane module has been used for a lot of purposes such as manufacturing an axenic water, drinking water, and highly pure water, and cleaning an atmosphere. In addition to these purposes, in recent years, the hollow fiber membrane module is used for other purpose for processing a highly contaminated water in secondary processing and a third processing in a sewage plant, a solid-liquid separation in a waste water treatment tank, and a solid-liquid separation of a suspended solid (hereinafter called SS) in an industrial waste water.

A hollow fiber membrane module which is preferably used for filtering a highly contaminated water is disclosed in documents such as Japanese Unexamined Patent