

METHOD FOR PRODUCING HOLLOW FIBER MEMBRANE SHEET-LIKE
OBJECT, METHOD FOR PRODUCING HOLLOW FIBER MEMBRANE MODULE,
AND DEVICE FOR PRODUCING HOLLOW FIBER MEMBRANE SHEET-LIKE
OBJECT

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ABSTRACT

The present invention relates to a method for producing a hollow fiber
membrane sheet-like object including: a connecting process of forming a ring-shaped
10 section by winding a hollow fiber membrane capable of being continuously supplied,
around two or more rolls so as to surround the two or more rolls and connecting a leading
end portion of the wound hollow fiber membrane and an adjacent hollow fiber membrane,
or of putting a ring-shaped section created in advance, on two or more rolls, and
connecting a leading end portion of a hollow fiber membrane capable of being
15 continuously supplied, to the ring-shaped section; a winding process of winding the
hollow fiber membrane around the rolls by moving the leading end portion of the hollow
fiber membrane by rotating at least one roll of the two or more rolls; a fixing process of
forming a fixed section by fixing the hollow fiber membrane wound around the two or
more rolls, into the form of a sheet in a width direction; and a cutting process of
20 performing cutting-out along the fixed section, thereby obtaining a sheet-like object to
which end portions of the hollow fiber membranes are connected in the width direction.
According to the present invention, a hollow fiber membrane sheet-like object can be
produced with a simple configuration and a change in sheet length can be easily
performed.

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Fig. 2