

ABSTRACT

A flat ceramic membrane 1 has a plate-shaped porous support 21 made of ceramics and a filtration membrane 22 formed on an outer surface of the porous support 21.

5 A plurality of water collection channels 2 where filtrate water obtained by permeation of water-to-be-treated through the filtration membrane 22 flows are formed inside the porous support 21. Further, a region where a thickness between a membrane surface 20 of the filtration membrane

10 22 and the water collection passage 2 is different is ensured inside the porous support 21.

FIG. 1