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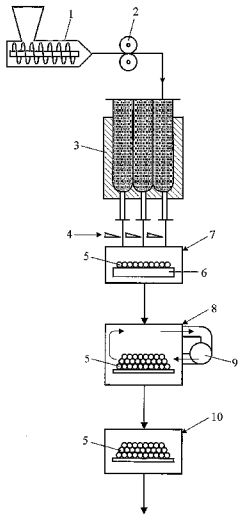
(54) **Title:** CERAMIC HOLLOW FIBRE MEMBRANE, MEMBRANE MODULE AND METHOD FOR PRODUCING THE MEMBRANE



(57) **Abstract:** The ceramic hollow fibre membrane according to the invention has an external diameter of about 4 mm, a wall thickness of 0,52-0,54 mm, and is provided with a thin ceramic coating either on the inside or on the outside of the fibre membrane. In a method for producing these hollow fibre membranes, a paste is introduced into three spinnerets (3), which produce three continuous fibres which are cut at desired lengths. Subsequently, the fibres (5) are laid against each other on a heating plate (6) in a furnace (7) to remove internal stresses. Next, the fibres (5) are placed in a burn-off furnace (8) in which hot air is circulated to remove the binder system. Subsequently, the fibres (5) are laid down and stacked in a sintering installation (10) in which they are sintered. After that a ceramic powder coating is applied either on the inside or outside of the fibre membrane, and then the coating is dried and sintered.

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