

Abstract

This invention discloses a preparation method of hollow fiber separation membranes with a dense-selective layer, wherein one or more spinning dope channels of supporting layers/separation layers of a spinneret form an exchange zone with the bore fluid channel at the end of bore fluid channel which is located in the central zone; the spinning dopes of supporting layers and/or separation layers conduct sufficient chemical crosslinking in the exchange zone; the spinning dope starts to proceed the solvent exchange with the bore fluid at the spinneret nozzle and the formation of hollow fiber membrane can be achieved by one step, which enables the crosslinking occur more easily and avoids the occurrence of membrane delamination.

Figure 1