

## ABSTRACT

A CNF dehydration device and method are provided. The device includes a first supply mechanism, a second supply mechanism, a premixing mechanism, a slurry spreading mechanism, and a pressing mechanism. The first supply mechanism and the second supply mechanism provide a first porous layer and a second porous layer, respectively. The premixing mechanism mixes a raw material having the CNFs with a liquid medium to obtain a first slurry. The slurry spreading mechanism spreads the first slurry onto the first porous layer to obtain a multilayer body. The pressing mechanism presses the multilayer body, thereby removing a portion of the liquid medium from the first slurry to obtain a second slurry. FIG. 1