

ABSTRACT

A CNF redispersion device and method for redispersing dehydrated CNFs in a liquid medium are provided. The device includes a feeding mechanism, a liquid container for
5 containing the liquid medium, a separation mechanism, and a first redispersion mechanism. The feeding mechanism feeds a raw material. The raw material includes two protective layers and a slurry sandwiched between the protective layers, and the slurry has the dehydrated CNFs. The separation mechanism is immersed in the liquid medium and separates the protective layers from each other. The first redispersion
10 mechanism is immersed in the liquid medium and faces a first section of at least one of the protective layers between the feeding mechanism and the separation mechanism. The first redispersion mechanism removes the slurry from the first section and disperses the dehydrated CNFs of the removed slurry in the liquid container. FIG. 1