

**98-0173**

The invention relates to the fluidized bed drying technology and may be used in the food, pharmaceutical, biochemical and other industry branches, particularly, for drying of the high-humidity waste, mainly, lignin.

The summary of the invention consists in the fact that the drier comprises a chamber provided with the loading and unloading devices, the heat-transfer medium feeding device, each of which comprises a diffuser, an air heater and a fan, a gas distributing grid placed above the diffusers and a heat-transfer medium removing device. The gas distributing grid is supplementary provided with nozzles and vertical cross thresholds dividing it into sections and the heat-transfer medium removing device contacts with the material unloading device.

The technical result of the invention consists in shedding vortices at the border of the sections contributing to the intensive mixing of material with the hot air, displacement of the material undergoing drying into the next section during the material movement and to the rapid dehydration of the material.

Claims: 2

Figuri.: 2