

ABSTRACT

EXTERNAL DEVICE FOR CLEANING FILTRATION MATERIAL AND ADAPTED FOR APPLICATION TO FILTRATION DEVICE

An external device for cleaning a filtration material and adapted for application to a filtration device, in which the filtration material can be automatically cleaned easily and at low cost without requiring replacement of an existing filtration device with a newly purchased device. [MEANS FOR SOLVING PROBLEMS] An external device (1a) for cleaning a filtration material is applied to a filtration device (100) for filtering a supplied unfiltered liquid by layers (112) of a filtration material (112a) to remove muddiness in the liquid and discharging the cleaned liquid to the outside. The cleaning device (1a) has an upstanding outer tube (2'), a screw conveyor (4') rotatably placed in the outer tube (2') and transferring the filtration material (112a) upward from the lower end to the upper end of the outer tube (2') while rub-washing the filtration material, a drive section (6) for rotationally driving the screw conveyor (4'), a control section (30) for controlling rotation of the drive section (6), and a discharge tube (50a) for discharging the filtration material (112a), having been rub-washed, into a filtration container (101) from the insides of the outer tube (2') and an introduction tube (38a) that introduce the filtration material (112a) into the outer tube (2').

Figure 4.