

ABSTRACT OF THE DISCLOSURE

FILTER MATERIAL CLEANING DEVICE

[Objective]

5 To improve the durability of a filtration media cleansing apparatus that cleanses filtration media for purifying liquids.

[Constitution]

 A cleansing apparatus (1) is equipped with: an upright outer cylinder (2); a screw conveyor (4) provided within the outer cylinder (2) so as to be rotatable, equipped with a spiral blade (18) for
10 conveying filtration media introduced through an inlet (36) at the lower end of the outer cylinder (2) upward to an outlet (60) at the upper end of the outer cylinder (2) while scrubbing the filtration media; a drive section (6) that rotationally drives the screw
15 conveyor (4); a control section (30) that controls the rotation of the drive section (6); an introducing pipe (38) that introduces the filtration media into the outer cylinder (2), and an expelling pipe (61) that expels the scrubbed filtration media from within the outer cylinder (2) to a filtration tank. A regulating blade (19) that
20 regulates upward movement of the filtration media is provided above the outlet (60) coaxially with the screw conveyor (4) and about the periphery of a central shaft (20) thereof. A cleansing liquid introducing aperture (70) is provided above the regulating blade (19) within the outer cylinder (20).

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Figure 1.