

FLOOR CLEANING DEVICE

ABSTRACT

A floor cleaning device. An edge brush apparatus thereof is mounted at the bottom of the front
5 part of a frame, a roller brush apparatus is mounted at the bottom of the center part of the frame, a
trash bin is mounted at the bottom of the rear part of the frame and is in communication with the
roller brush apparatus, and a filter cartridge apparatus is mounted at the top of the rear part of the
frame. The filter cartridge apparatus comprises a filter cartridge mechanism and a blower
mechanism, the filter cartridge mechanism comprises a housing and at least two filter cartridges,
10 and the at least two filter cartridges are arranged in parallel vertically perpendicular to the heading
direction of the frame. The upper end of the housing is sealedly connected to the outer periphery
wall of the blower mechanism. An air discharge duct, which communicates with the blower
mechanism, is formed at the interior of each filter cartridge, and an air intake duct is formed
between each filter cartridge and an inner wall of the housing. The lower ends of the filter
15 cartridges are sealed, and the lower end of the housing is provided with an opening. An air inlet is
formed between the edge of the opening and each filter cartridge, and the air inlet communicates
with the roller brush apparatus and the edge brush apparatus.

FIG. 2 accompanies abstract.