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(54) **Vacuum cleaner that preserves spare dust bags**

(57) Present invention relates to any kind (horizontal, vertical, barrel) of wet - dry vacuum cleaners for industrial use or house cleaning, wherein one or more compart-

ments (1) are formed specifically in any part of its body or accessories, in which paper or textile bag-type dust filters (2) are preserved and the dust bag layers allow a reduction in the noise level of vacuum cleaner.

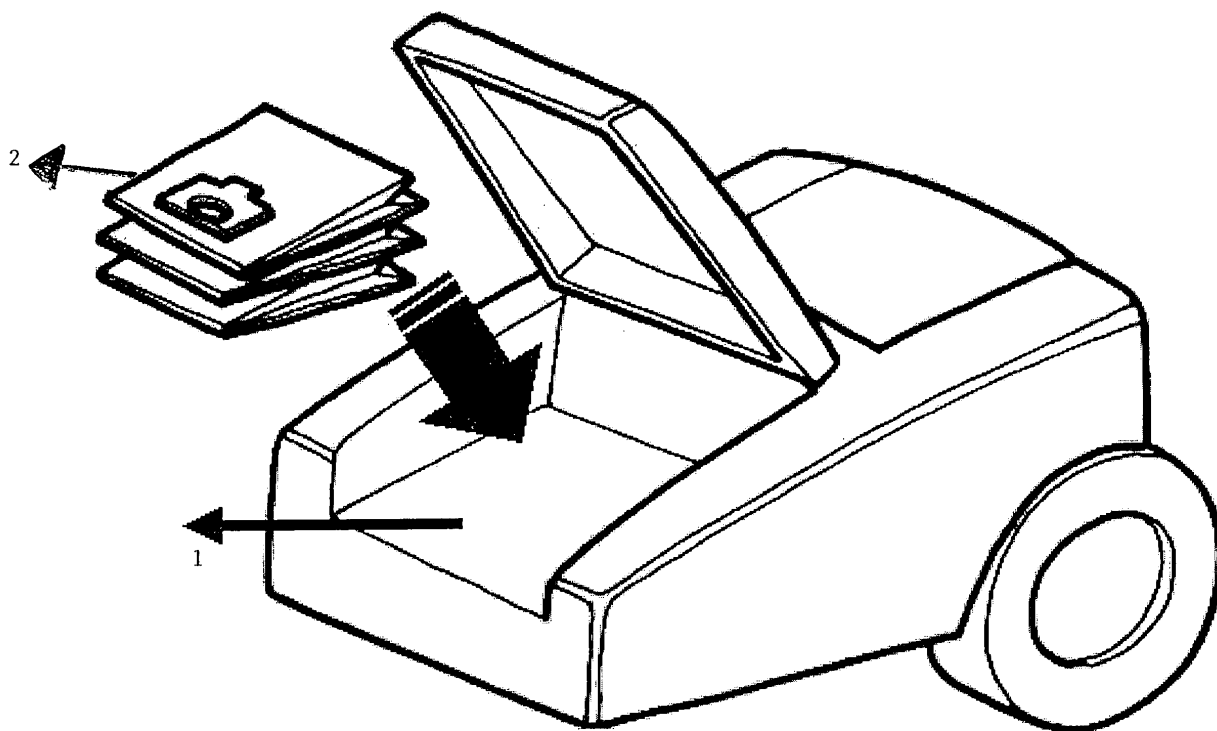


FIGURE.1

Description

[0001] Present invention relates to any kind (horizontal, vertical, barrel) of wet- dry vacuum cleaners for industrial use or house cleaning, wherein one or more compartments (1) are formed specifically in any part of its body or accessories, in which paper or textile bag-type dust filters (2) are preserved and the dust bag layers allow a reduction in the noise level of vacuum cleaner.

[0002] Vacuum cleaner applications where spare hose leads for various household uses are kept in compartments on cleaner that are concealed under a cover, are currently in use in market. Thereby, it is possible to take the hose leads for replacement from the compartment on cleaner during use without any interruption in operation, for a convenient use and to avoid loss of hose leads. There are no dry - wet vacuum cleaners of any kind (horizontal, vertical, barrel) in state-of-art cleaner designs, that preserve paper or textile dust bags and such bags are preserved outside of vacuum cleaners.

[0003] Present invention provides a means to preserve dust bags (2) in specially designed compartments (1) and thereby, a novel feature.

[0004] Currently available vacuum cleaners present no special compartment on machine itself for spare dust bags. With household uses, dust bags are replaced at 2 weeks to 1 month intervals depending on the frequency of use. During this period, dust bags are preserved in dusty or humid places in houses and this reduces the dust retention capacities of dust bags. Also dust bags are often damaged, perforated or torn apart when kept outside of machine.

[0005] When such damaged bags are placed in vacuum cleaners, machine engine experiences difficulties with a reduction in its efficiency and sometimes causing engine burns. The damages and efficiency decreases caused by improper storage of dust bags lead to a significant increase in call and product replacement rates.

[0006] Many users loose the dust bags and therefore have to re-purchase dust bags unnecessarily. And this brings an additional financial burden to the consumers in long term.

[0007] Since dust bags are mostly sold in multiple pieces, a new dust bag is placed in cleaner and others are kept under inefficient storage conditions.

[0008] With the present invention, a dust bag compartment (1) provided on any side of vacuum cleaner, ensures that dust bags (2) are kept and preserved in their initial form without any damage and efficiency decreases, thereby consumers are provided with the ease of use and any financial losses are prevented.

[0009] The dust bags (2) are stacked in the dust bag compartment (1) one over the other, and thereby a sound isolation function is conferred upon the vacuum cleaner.

[0010] When dust bag storage area is located on or at the sides of or under the dust bag compartment or engine block or both, the noise created in these compartment (the noise from engine (3) itself and/or created by the air

in internal areas hitting to the internal elements of vacuum cleaner) will be absorbed among the bag layers and its outward spread will be reduced, so the machine will provide a significant contribution to the user in terms of comfort.

DESCRIPTION OF FIGURES:

[0011]

Figure 1: A general view of vacuum cleaner's special compartments.

Figure 2: General views of various vacuum cleaners incorporating special dust bags.

Figure 3: A general view of sound waves with reduced severity in vacuum cleaners having a spare dust bag compartment.

[0012] Explanations of the numbers given on figures (x);

- (1) Compartment on vacuum cleaners, designed specifically for preserving dust bags
- (2) Dust bags
- (3) Engine

Claims

1. Any kind (horizontal, vertical, barrel) of wet - dry vacuum cleaners preserving spare dust bags **characterized in** being for industrial use or house cleaning and that one or more compartments (1) are formed specifically in any part of its body or accessories, in which paper or textile bag-type dust filters (2) are preserved.
2. Any kind (horizontal, vertical, barrel) of wet - dry vacuum cleaners preserving spare dust bags **characterized in that** the paper or textile bag-type dust filters (2) have a high dust retention capacity, absorb the noise in between the layers thereof and have the features of not perforating and tearing, and high efficiency -as they are kept in a special compartment (1) located in the machine-.
3. Any kind (horizontal, vertical, barrel) of wet - dry vacuum cleaners preserving spare dust bags as claimed in claim 1, **characterized in that** the paper or textile bag type dust filters (2) are stacked one over the other, and thereby a sound isolation function is conferred.

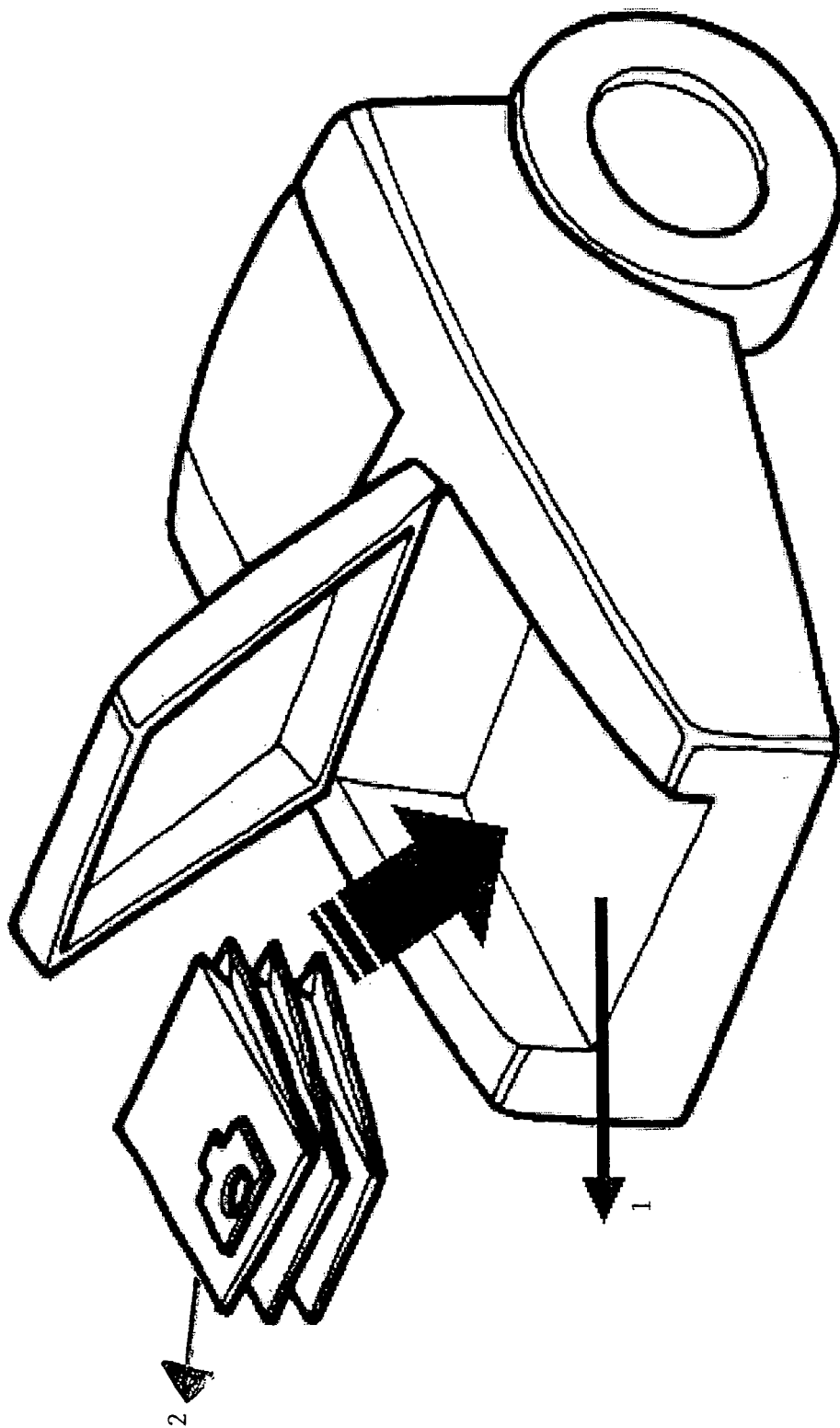
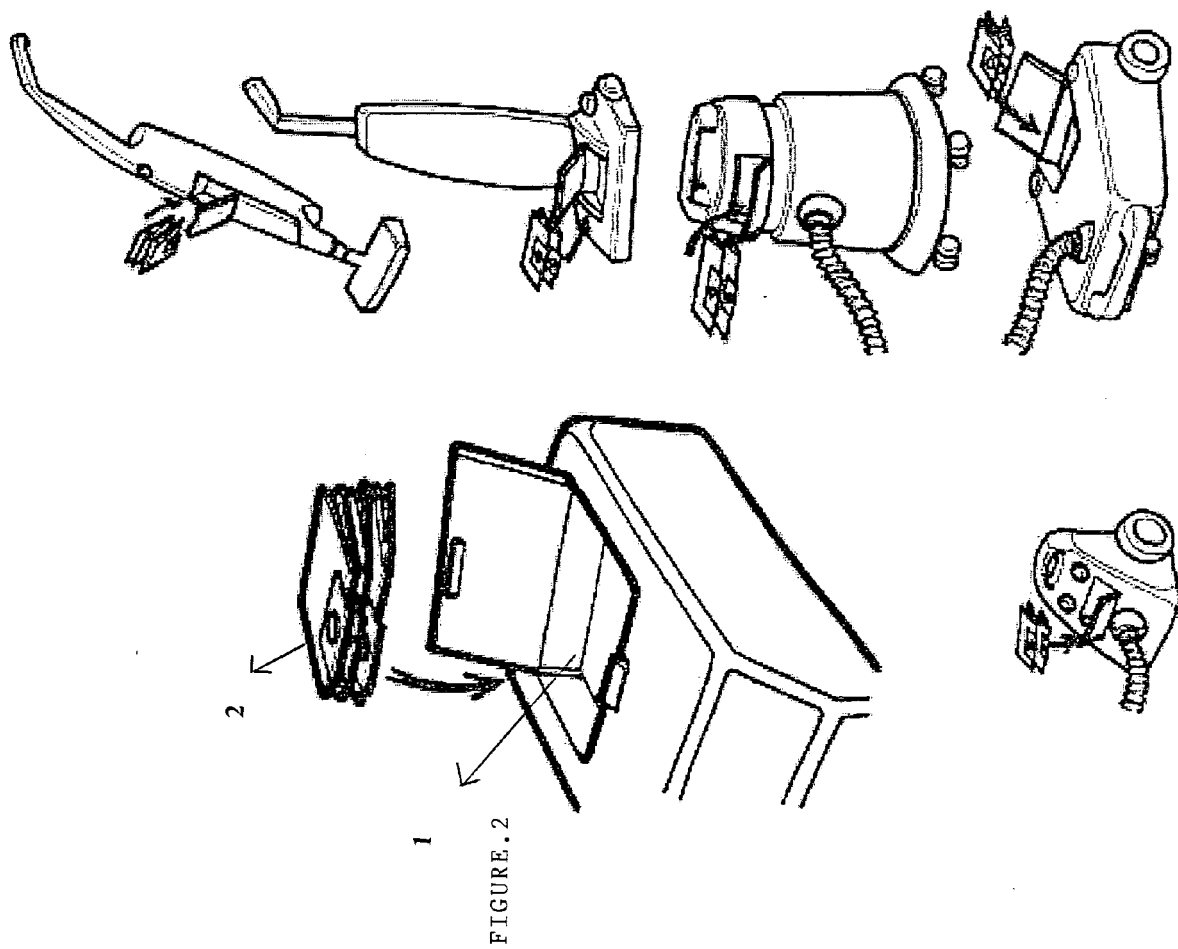


FIGURE.1



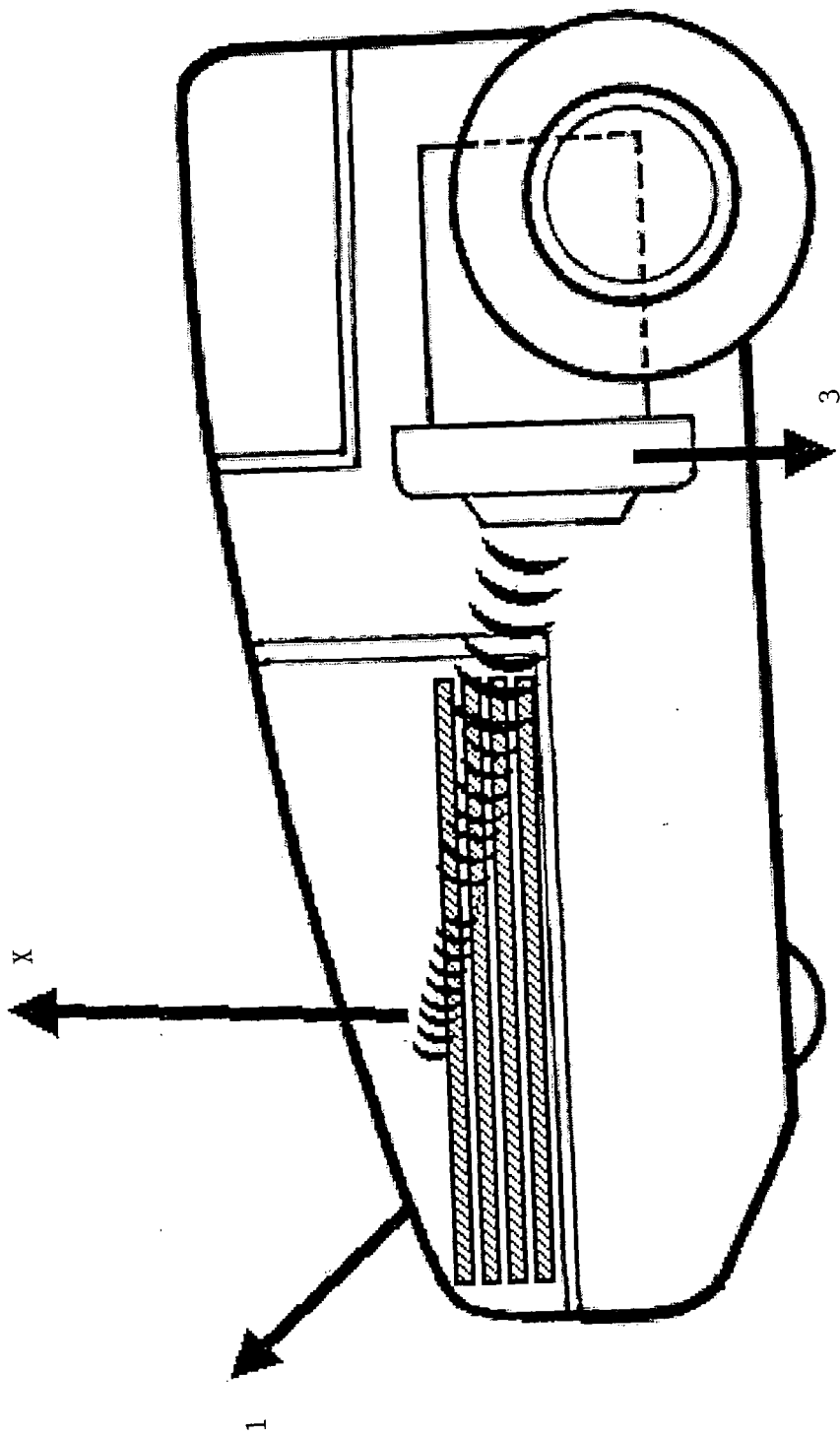


FIGURE. 3



European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 06 40 4004

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The present search report has been drawn up for all claims			
Place of search The Hague		Date of completion of the search 24 October 2007	Examiner Cescutti, Gabriel
CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document			

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EPO FORM 1503 03.82 (P04C01)

**ANNEX TO THE EUROPEAN SEARCH REPORT
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EP 06 40 4004

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report. The members are as contained in the European Patent Office EDP file on
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24-10-2007

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