Claims

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1. A refuse bag with at least one filling opening for refuse and at least two refuse bag areas (16-1, 16-2; 16'-1, 16'-2; 16''-1, 16''-2; 16'''-1, 16'''-2, 16'''-3), which are fillable via the at least one filling opening for the at least two refuse bag areas, wherein the refuse bag areas (16-1, 16-2; 16'-1, 16'-2; 16''-1, 16''-2; 16'''-1, 16'''-2, 16'''-3) are each separable from the refuse bag non-destructively, so that the refuse bag areas (16-1, 16-2; 16'-1, 16'-2; 16''-1, 16''-2; 16'''-1, 16'''-2, 16'''-3) form separate refuse bags after separation from the refuse bag, wherein each refuse bag (10, 10'') has a main bag wall (14, 14') on which at least one connecting wall (22-1, 22-2) is provided, by means of which refuse bag areas (16-1, 16-2; 16'-1, 16'-2; 16''-1, 16''-2) are formed, wherein the at least one connecting wall extends at least in sections in the longitudinal direction, and wherein a material weakening (20, 20', 20'') for non-destructive separation is formed on the at least one connecting wall.

2. The refuse bag according to claim 1, wherein the main bag wall is an outer wall and the connecting wall comprises two layers (22-1, 22-2), one of which, after separation, belongs to a first separate refuse bag and another of which belongs to a second separate refuse bag.

3. The refuse bag according to claim 2, wherein all connecting walls are provided side by side on one side of the main bag wall (14').

4. The refuse bag according to claim 1 , wherein the refuse bag areas are formed differently.

5. The refuse bag according to claim 1, wherein at least two refuse bag areas are provided in different sizes.

6. The refuse bag according to claim 1, wherein at least two refuse bag areas are provided in different colours.

7. The refuse bag according to claim 1, wherein at least two refuse bag areas comprise different materials, in particular the different materials comprise at least two of plastic film, recycled plastic, compostable plastic, aluminium, paper, cellulose and hemp.

8. The refuse bag according to claim 1, wherein the refuse bag (10^{V}) comprises a plurality of individual bags (16^{VII}-1, 16^{VII}-2, 16^{VII}-3, 16^{VII}-4), which provide the refuse bag areas, wherein the individual bags are connected to a material projection (32) at least in a region on a side adjacent to the filling opening.

9. The refuse bag according to claim 5, wherein at least one of the at least two refuse bag areas has a folded bottom or a cross bottom on the side opposite the filling opening.

10. The refuse bag according to claim 7, wherein a first one of the at least two refuse bag areas comprises a connecting element which is configured to be able to releasably connect the first one of the at least two refuse bag areas to a second one of the at least two refuse bag areas, in particular the first one of the at least two refuse bag areas comprises an adhesive surface, in particular wherein the adhesive surface is provided with a removable protective layer.

11. The refuse bag according to claim 1, wherein at least one refuse bag area comprises a machine-readable information carrier, wherein the information carrier is in particular a QR code.

12. The refuse bag according to claim 10, wherein the information carrier is configured to be able to cause a device reading the information carrier to output text information, to install or execute a software, to call up a website, or to execute combinations thereof.

13. A refuse disposal system comprising a refuse bag according to claim 11 and a portable electronic communication device, in particular a smartphone, wherein the portable electronic communication device comprises means for reading the information carrier and means for outputting information, and wherein the portable electronic communication device is configured to be caused, by reading the information carrier, to output text information and/or to install or execute a software and/or to call up a website.

14. The refuse disposal system according to claim 13, wherein by outputting the text information and/or executing the software and/or calling up the website, information on regulations on refuse disposal and/or information on refuse collection is output.

15. The refuse disposal system according to claim 13, wherein the portable electronic communication device has means for determining a device location and is configured to determine the device location before outputting the regulations for refuse disposal and/or the instructions for refuse collection and to be able to output the instructions for regulations for refuse disposal and/or the instructions for refuse collection depending on the determined device location.

16. The refuse disposal system according to claim 13, wherein the calling up of the website and/or the execution of the software caused by reading the information carrier also comprises the entry of a value in a database.

17. The refuse disposal system according to claim 13, wherein the portable electronic communication device is configured to carry out a payment transaction via the software and/or the website in response to reading the information carrier, in particular using a user account associated with the user.

18. The refuse disposal system according to claim 13, wherein calling up the website and/or executing the software also comprises executing a refuse disposal analysis application, wherein the refuse disposal analysis application is configured to be able to analyze the disposal of the refuse, in particular on the basis of user information or the entries in the database, depending on the regulations for refuse disposal, in particular the disposal of the refuse is alternatively or additionally analyzed using the identified refuse items.

19. The refuse disposal system according to claim 13, wherein calling up the website and/or executing the software also comprises executing a visual identification application, wherein the visual identification application is configured to be able to identify refuse items located on visual images.

20. A refuse bag roll with a plurality of refuse bags according to claim 1, wherein the refuse bags are rolled up one after the other and are separable from one another by material weakenings extending in the transverse direction of the refuse bag roll, in particular wherein the refuse bags lie in the refuse bag roll transversely to the longitudinal extension thereof, so that the filling openings points to one side.