(11) **EP 3 617 374 A1**

(12)

EUROPEAN PATENT APPLICATION

(43) Date of publication:

04.03.2020 Bulletin 2020/10

(51) Int CI.:

D06F 39/02 (2006.01)

(21) Application number: 18191660.2

(22) Date of filing: 30.08.2018

(84) Designated Contracting States:

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated Extension States:

BA ME

Designated Validation States:

KH MA MD TN

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(54) LAUNDRY APPLIANCE WITH USER-FRIENDLY DRAWER

(57) A drawer (115) for a laundry treatment appliance (100) is proposed. The drawer (115) comprises:

a drawer body (210) having at least two compartments $(220_1,220_2)$ each one adapted to contain multiple doses of a respective laundry treatment agent for performing multiple laundry treatment cycles,

associated with the at least two compartments $(220_1,220_2)$, at least two access openings $(230_1,230_2)$ each one for accessing a respective one said at least two compartments $(220_1,220_2)$ for laundry treatment agent loading.

a single door (245) associated with the at least two access openings ($230_1,230_2$), the door (245) being actuatable between open and closed positions for uncovering and covering, respectively, said at least two access openings jointly ($230_1,230_2$).

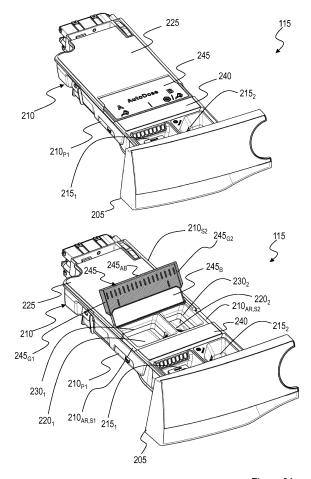


Figure 2A

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Description

Field of the invention

[0001] The present invention generally relates to the field of laundry treatment appliances (hereinafter, concisely, "laundry appliances"), and particularly to laundry appliances for treating, *e.g.* washing, items (such as linen, clothes, garments, shoes, and the like), such as laundry washing appliances and laundry washing appliances also implementing laundry drying functions (also referred to as washers/dryers). More particularly, the present invention relates to a laundry appliance with an improved and user-friendly drawer.

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Background of the invention

[0002] A laundry appliance typically comprises a drawer having drawer compartments for containing one or more treatment agents (such as liquid and powder treatment agents), and a drawer seat for slidably housing the drawer within it.

[0003] A typical drawer comprises one or more components that can be actuated by the user (hereinafter, actuatable components). Examples of actuatable components of the drawer are a detach component for allowing a drawer handle to be detached from a drawer body, one or more adapter components each one configured to be reversibly inserted into a respective drawer compartment for adapting it to liquid or powder treatment agents, an extraction component for reversibly extracting the drawer from the drawer seat, one or more access components (e.g., doors) for selectively accessing respective drawer compartment(s), and one or more plug components for selectively plugging or unplugging emptying holes of respective drawer compartments.

[0004] With particular reference to the access components, the access components typically comprises a number of doors each one associated with a respective drawer compartment. The drawers of currently marketed laundry appliances, especially of high quality laundry appliances, comprise each one a relatively high number of drawer compartments, and hence a relatively high number of doors associated threwith.

Summary of invention

[0005] The Applicant has realized that a high number of doors in a drawer, besides being not very gratifying for the user in terms of aesthetics, may also negatively affect user experience when the user interacts with it.
[0006] Indeed, the Applicant has ascertained that a drawer having a relatively high number of doors may be discouraging for the user, in that the user has to remember associations between the doors and the respective drawer compartments. This could cause risks of confusion that could be frustrating for the user. Moreover, relatively frequent undesired actuations of the doors in the

attempt to identify a desired drawer compartment may lead to a premature wear of the doors.

[0007] The Applicant has also ascertained that a relatively high number of doors makes drawer aesthetics not at all pleasant, rather the resulting drawer aesthetics could instead give to the user a feeling of low attention to detail: in fact, a relatively high number of doors typically results in differences in heights among the doors (due to unavoidable manufacturing tolerances), and in an excessive number of unaesthetic door contour lines (due to the gaps, between the doors and the rest of the drawer, allowing actuation of the doors) which could be in contrast with a fine and minimal appearance of the rest of the drawer. Therefore, user perception of the laundry appliance (and hence customer loyalty towards the laundry appliance manufacturer) may be negatively affected.

[0008] In view of the above, it is an object of the present invention to provide a laundry appliance able to overcome these, as well as other, drawbacks, and particularly it is an object of the present invention to provide a laundry appliance having a simple, pleasant and user-friendly drawer.

[0009] One or more aspects of the present invention are set out in the independent claims, with advantageous features of the same invention that are indicated in the dependent claims.

[0010] An aspect of the present invention relates to a drawer for a laundry treatment appliance. The drawer comprises a drawer body having at least two compartments each one adapted to contain multiple doses of a respective laundry treatment agent for performing multiple laundry treatment cycles. The drawer also comprises, associated with the at least two compartments, at least two access openings each one for accessing a respective one of said at least two compartments for laundry treatment agent loading. The drawer further comprises a single door associated with the at least two access openings; the door is actuatable between open and closed positions for uncovering and covering, respectively, said at least two access openings jointly.

[0011] According to an embodiment of the present invention, the drawer further comprises a drawer cover for covering the drawer body; preferably, the door is coupled or coupleable to the drawer cover at said at least two access openings.

[0012] According to an embodiment of the present invention, the drawer comprises a recessed area being recessed with respect to a top profile of the drawer cover; said at least two openings are preferably formed in said recessed area.

[0013] According to an embodiment of the present invention, the door fits said recessed area and is preferably flush with the top profile of the drawer body when the door is in the closed position.

[0014] According to an embodiment of the present invention, the door comprises a sealing member.

[0015] According to an embodiment of the present invention, the sealing member is overmolded to a body of

said door.

[0016] According to an embodiment of the present invention, said sealing member has an appearance feature standing out from a generally uniform appearance of the drawer. Preferably, said appearance feature comprises a color.

[0017] According to an embodiment of the present invention, the recessed area comprises first and second recessed side portions of the drawer body, the first and second recessed side portions of the drawer body preferably opening to respective side edge portions of the drawer body.

[0018] According to an embodiment of the present invention, the recessed area comprises a recessed area of the drawer cover; the recessed area of the drawer cover preferably comprises a rim region that at least partially surrounds said at least two access openings; the door advantageously comprises an abutment portion that, when the door is in the closed position, abuts on a portion of the rim region, preferably a front portion of the rim region (in use, the front portion of the rim region being for example proximal to a drawer handle).

[0019] The sealing member preferably comprises said abutment portion.

[0020] According to an embodiment of the present invention, the door comprises at least one grip portion for actuating the door.

[0021] According to an embodiment of the present invention, each one of said at least one grip portion faces a respective one of said recessed side portions of the drawer body when the door is in the closed position.

[0022] According to an embodiment of the present invention, the at least one grip portion is formed in a single piece with the abutment portion.

[0023] According to an embodiment of the present invention, the abutment portion has a first thickness and the grip portion has a second thickness, the second thickness being preferably lower than the first thickness.

[0024] Preferably, each one of said at least one grip portion is flush with the top profile of said side edge portions of the drawer body when the door is in the closed position.

[0025] According to an embodiment of the present invention, when the door is in the closed position, each one of said at least one grip portion and the respective faced recessed side portion of the drawer body are spaced apart from each other by a gap that advantageously allows the user to grasp said at least one grip portion.

[0026] According to an embodiment of the present invention, each one of said at least one grip portion faces a respective side portion of the rim region when the door is in the closed position.

[0027] According to an embodiment of the present invention, each side portion of the rim region opens to a respective side edge portion of the drawer cover; each one of said at least one grip portion is preferably flush with the respective side edge portion of the drawer cover when the door is in the closed position.

[0028] According to an embodiment of the present invention, when the door is in the closed position, each one of said at least one grip portion and the respective faced side portion of the rim region are spaced apart from each other by a gap that advantageously allows the user to grasp said at least one grip portion.

[0029] According to an embodiment of the present invention, the at least one grip portion is formed in a single piece with the abutment portion.

[0030] According to an embodiment of the present invention, the door has a first surface that, when the door is in the closed condition, faces the at least two compartments, and a second surface; the second surface is preferably opposite the first surface. The door preferably comprises, on at least one between the first and second surfaces, at least two function indicators for allowing the user to recognize a function, preferably a function of said at least two compartments.

[0031] According to an embodiment of the present invention, at least one of said function indicators comprises at least one among textual and/or sign indicators.

[0032] According to an embodiment of the present invention, the drawer further comprises at least one further drawer compartment formed in the drawer body for containing a single dose of a respective laundry treatment agent. Preferably, the drawer also comprises at least one access mouth for accessing said at least one further drawer compartment for laundry treatment agent loading. The at least two access openings are preferably formed, along a sliding direction of the drawer into a drawer seat of the laundry treatment appliance, at such a distance from the at least one access mouth that a free region is defined in the drawer cover; the free region is advantageously, but not exclusively, adapted to contain one or more pieces of information for the user.

[0033] According to an embodiment of the present invention, at least one of said access openings comprises, preferably at an inner part thereof, an indicator of a level of laundry treatment agent that is recommended to be loaded in the respective compartment.

[0034] According to an embodiment of the present invention, said door is a flap door pivotally coupled to the drawer cover.

[0035] Another aspect of the present invention relates to a laundry treatment appliance comprising said drawer.

Brief description of the annexed drawings

[0036] These and other features and advantages of the present invention will be made apparent by the following description of some exemplary and non-limitative embodiments thereof; for its better intelligibility, the following description should be read making reference to the attached drawings, wherein:

Figures 1A and **1B** show perspective views of a laundry appliance according to an embodiment of the present invention;

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Figure 2A shows perspective views of a drawer of the laundry appliance according to an embodiment of the present invention;

Figure 2B shows a perspective exploded view of the drawer of **Figure 2A** according to an embodiment of the present invention;

Figure 2C shows a perspective exploded view of a drawer cover and of a door associated therewith according to an embodiment of the present invention, and

Figure 2D shows a perspective and partially exploded view from behind of the drawer of **Figure 2A** according to an embodiment of the present invention.

Detailed description of preferred embodiments of the invention

[0037] With reference to the drawings, Figures 1A and 1B show perspective views of a laundry appliance 100 according to an embodiment of the present invention. According to the exemplary, not limiting, embodiment herein considered, the laundry appliance 100 is a washing machine. In any case, although in the following description explicit reference will be made to a washing machine, this should not to be construed as a limitation; indeed, the present invention applies to other types of laundry appliances (for example combined washers/dryers, *i.e.* washing machines also having laundry drying functions).

[0038] The laundry appliance **100** comprises a (e.g., parallepiped-shaped) cabinet **105**, which preferably accommodates a treatment chamber (*i.e.*, a laundry washing chamber in the example herein considered of a washing machine) for performing a laundry treatment cycle on items housed therein (*i.e.*, a washing cycle on a laundry load in the example herein considered of a washing machine).

[0039] The laundry washing chamber comprises a washing tub (not shown) and, within it, a (e.g., rotatable) washing basket or drum (not shown) adapted to contain the laundry load to be washed. A cabinet front has a loading opening providing access to the drum for loading/unloading the laundry load, a door 110 (shown in a closed position in Figures 1A and 1B) being provided for sealably closing the loading opening during the operation of the laundry appliance 100.

[0040] Although not shown, the laundry appliance **100** also comprises, enclosed in the cabinet **105**, electrical/electronic/mechanical/hydraulic components for the operation of the laundry appliance **100** (such as for example motor, electromechanical valves, pumps and impellers of the hydraulic apparatus, one or more heating elements for heating water/treatment agents/air).

[0041] The laundry appliance **100** further comprises a drawer **115** for containing one or more laundry treatment agents (or, concisely, treatment agents), such as liquid and powder treatment agents including, but not limited to, washing detergents, rinsing detergents, bleaches and

softeners. The laundry appliance 100 also comprises a drawer seat 120 for housing the drawer 115, the drawer 115 being advantageously configured to slide into the drawer seat 120, along a longitudinal or sliding direction X, between an extracted position (shown in Figure 1A as having a partially extracted position) and a retracted position (shown in Figure 1B). The drawer seat 120 is preferably provided on a top part of a cabinet front.

[0042] Preferably, the laundry appliance 100 further comprises a user interface 125, the user interface 125 being preferably provided on the top part of the cabinet front, more preferably next to the drawer seat 120 along a transversal direction Y orthogonal to the longitudinal direction X.

[0043] Preferably, although not necessarily, the user interface **125** comprises a display unit, not shown, for visually displaying one or more pieces of information; the display unit may for example be a light emitting polymer display (LPD), a liquid crystal display, a thin film transistor-liquid crystal display, or an organic light-emitting diode display.

[0044] The user interface 125 preferably comprises one or more control elements (e.g., selection buttons and/or knobs) for allowing the user to select a washing cycle and to control one or more operating parameters of the selected washing cycle (including, but not limited to, temperature, laundry load dirt level, spin speed, start time delay, drawer compartment selection, treatment agent selection). Additionally, as herein exemplary assumed, or alternatively, the user interface 125 preferably comprises one or more status indicators for indicating to the user a status of the laundry appliance 100; for example, the status indicators may be configured to indicate the status of one or more components of the laundry appliances 100 (for example, or one or more drawer components that can be actuated by the user, as better discussed in the following) and/or a status of the washing cycle (including, but not limited to, information about a residual time to the end of the ongoing washing cycle, and/or information about a current phase of the ongoing washing cycle, and/or selected parameters for the ongoing washing cycle, and/or selected drawer compartment, and/or selected treatment agent).

[0045] With reference now to Figure 2A, it shows perspective views of the drawer 115 according to an embodiment of the present invention. For ease of description, Figure 2A will be discussed jointly with Figure 2B, which shows a perspective exploded view of the drawer 115, with Figure 2C, which shows a perspective exploded view of a drawer cover and of a door associated therewith, and with Figure 2D, which shows a perspective and partially exploded view from behind of the drawer 115. [0046] Preferably, the drawer 115 is generally made of a single plastic material, exception made for some parts thereof which advantageously comprise materials conveniently different from the plastic material of most of the drawer 115 (as detailed below while discussing embodiments of the present invention).

[0047] As visible in Figure 2B, the drawer 115 preferably comprises a drawer handle 205 allowing the user to slidably move the drawer 115 between the extracted position and the retracted position when it is fitted into the drawer seat 120, and a drawer body 210 to which the drawer handle 205 is adapted to be mounted (advantageously, in a removable or reversible way, as better discussed in the following).

[0048] The drawer 115 preferably comprises two or more (two, in the example at issue) drawer compartments 220₄,220₂ each one adapted to contain multiple doses of a respective treatment agent for performing multiple washing cycles, hereinafter referred to as multi-dose compartments: therefore, the exemplary considered laundry appliance 100 is configured to implement an auto-dosing functionality in which, at each washing cycle (and when the auto-dosing functionality is enabled), a predetermined amount of treatment agent is automatically taken (e.g., by means of a pump, preferably a peristaltic pump, not shown) from one or both of the multidose compartments 220₁,220₂. Just as an example, the multi-dose compartment 2201 may be arranged to contain multiple doses of a liquid washing detergent, whereas the multi-dose compartment 2202 may be arranged to contain a multiple doses of a liquid softener. Preferably, the drawer 115 also comprises, associated with the multidose compartments 2201,2202, two or more access openings; more preferably each access opening allows accessing a respective one of the multi-dose compartments 220₁,220₂ for treatment agent loading.

[0049] Additionally, as herein exemplary assumed, the drawer body 210 preferably comprises one or more (two, in the example at issue) drawer compartments 215₄,215₂ each one adapted to contain a single dose of a respective treatment agent for performing a single washing cycle, hereinafter referred to as mono-dose compartments 215₁,215₂; just as an example, the mono-dose compartment 2151 may be arranged to contain a single dose of a powder or liquid washing detergent, whereas the monodose compartment 2152 may be arranged to contain a single dose of a powder or liquid or pearl softener. Preferably, although not necessarily, the mono-dose compartments 215₁,215₂ are formed side by side along the transversal direction Y; more preferably, the mono-dose compartments 215₁,215₂ are formed in an area of the drawer body 210 that, when the drawer handle 205 is mounted on the drawer body 210, is proximal to the drawer handle 205 (hereinafter referred to as front area of the drawer body 210). Preferably, herein assumed, each mono-dose compartment 215₁,215₂ extends in depth (i.e., along a vertical direction **Z** orthogonal to the longitudinal X and transversal Y directions) from a top of the drawer body 210 that identifies a respective access mouth for allowing treatment agent loading from above.

[0050] Preferably, as visible in Figure 2B, the drawer 115 also comprises one or more adapter components each one configured to be inserted into or removed from a respective mono-dose compartment 215₁,215₂ for

adapting it to, respectively, liquid or powder treatment agents. In the example at issue, a single adapter component is provided, namely an adapter component (globally denoted by the number reference 215₁,_{AD}) configured to be reversibly housed into the mono-dose compartment 215₁

[0051] In the exemplary illustrated embodiment, the adapter component 215_{1,AD} comprises a container (for example, a cup-shaped container) $C_{1,AD}$ adapted to be reversibly housed into the mono-dose compartment 215₁ when a liquid treatment agent is intended to be loaded. The adapter component 215₁, AD advantageously comprises a siphon pipe SP_{1,AD} (preferably, formed in a single piece with the container C_{1,AD}) to induce a siphon phenomenon, and a siphon cap SC1,AD coupled (or adapted to be coupled) to the siphon pipe SP₁,_{AD}: when the liquid washing detergent in the container C₁, AD exceeds a limit level, a siphon phenomenon occurs, whereby the liquid washing agent to be supplied during the washing cycle is previously discharged through the siphon pipe SP_{1'AD} into the drawer seat 120 and then into the washing tub.

[0052] Preferably, as visible in Figure 2B, the container C_{1'AD} fits the access mouth of the mono-dose compartment 215₁, exception made for an inclined edge IE₁, AD of the container $C_{1,AD}$. When the container $C_{1,AD}$ is housed in the mono-dose compartment 2151, a gap is defined between the mono-dose compartment 215₁ (e.g., a corner of the substantially square-like shape of its access mouth) and the inclined edge IE_{1'AD} of the container $C_{1,AD}$, whereby the inclined edge $IE_{1,AD}$ of the container C_{1,AD} defines a grip portion adapted to be grasped for easily actuating (e.g., inserting into and removing from the mono-dose compartment 215₁) the container C₁,AD (or, more generally, the adapter component 215₁,AD). According to a preferred embodiment of the present invention, at least part of the inclined edge IE₁, AD (e.g., the top edge part that, when the drawer 115 is fitted into the drawer seat 120, is visible by as user looking at the drawer 115) is made of a material different from the plastic material of most of the drawer 115. The material of the inclined edge IE₁,AD (or of part thereof) may for example comprise a synthetic rubber or a thermoplastic material, e.g. formed by overmolding or co-molding techniques.

[0053] In the example illustrated embodiment, a container (for example, a cup-shaped container) $C_{2,AD}$ having a siphon pipe (not visible, and preferably formed in a single piece with the container $C_{2,AD}$) to induce a siphon phenomenon is associated with the mono-dose compartment 215₂. Although not shown, the container $C_{2,AD}$ may also comprise a grip portion (e.g., similar to the grip portion of the container $C_{1,AD}$) to allow insertion and removal thereof into and from, respectively, the mono-dose compartment 215₂.

[0054] Preferably, although not necessarily, the multidose compartments **220₁,220₂** are formed side by side along the transversal direction **Y.** More preferably, the

multi-dose compartments 2201,2202 are formed in an area of the drawer body 210 (hereinafter referred to as rear area of the drawer body 210) that, along the sliding direction X, is rearward with respect to the front area of the drawer body 210 (i.e., the area of the drawer body 210 where the mono-dose compartments 215₁,215₂ are provided). Even more preferably, as visible in the figures, the front and rear areas of the drawer body 210 are properly different in size, and particularly the rear area of the drawer body 210 is larger than the front area of the drawer body 210 (e.g., the rear area of the drawer body 210 being for example from 2 to 4 times larger than the front area of the drawer body 210); when, as herein exemplary considered, same extensions in depth of the mono-dose 215₁,215₂ and multi-dose 220₁,220₂ compartments are assumed, having the rear area of the drawer body 210 larger than the front area of the drawer body 210 translates into correspondingly different capacities of the mono-dose 215₁,215₂ and multi-dose 220₁,220₂ compartments (with the multi-dose compartments 220₁,220₂ that are sized to store larger amounts of treatment agent as compared to the mono-dose compartments 215₁,215₂). [0055] Forming the multi-dose compartments 220₁, 220₂ behind the mono-dose compartments 215₁,215₂ is advantageous in that a low or relatively low extraction of the drawer 115 is required for allowing the user to load the treatment agents in the mono-dose compartments 215₁,215₂ (on the contrary, forming the mono-dose compartments 215₁,215₂ behind the multi-dose compartments 220₁,220₂ would dramatically impair the mechanical stability of the drawer 115, for example when extracting the drawer 115 to load the treatment agent in the mono-dose compartments $\mathbf{215_{1},215_{2}}$ and a certain amount of treatment agent is still stored in one or more of the multi-dose compartments 220₁,220₂).

[0056] As visible in Figure 2B, one or more emptying holes each one associated with a respective multi-dose compartment 220₁,220₂ are preferably provided in the drawer body 210 for emptying the respective multi-dose compartment 220₁,220₂, i.e. for discharging it from the treatment agent contained therein (e.g. for maintenance or cleaning of the drawer 115). In the example at issue, two emptying holes 210_{H1} , 210_{H2} are provided in the drawer body 210, the emptying hole 210H1 being associated with the multi-dose compartment 2201 and the emptying hole 210_{H2} being associated with the multidose compartment 2202 - however, in further embodiments of the present invention (not shown), emptying holes associated with the mono-dose compartments 215₁,215₂ may be provided additionally or alternatively to the emptying holes 210_{H1},210_{H2}

[0057] In the exemplary considered embodiment, each emptying hole $210_{\rm H1}$, $210_{\rm H2}$ comprises a circular opening located on a respective side of the drawer body 210 (preferably, a bottom part thereof), *i.e.* the side of the drawer body 210 that delimits the respective multi-dose compartment 220_1 , 220_2 along the transversal direction Y. Each emptying hole $210_{\rm H1}$, $210_{\rm H2}$ is advantageously

closable or pluggable by means of a selectively removable plug component (or, concisely, plug) 210_{P1},210_{P2} (the plugs 210_{P1},210_{P2} being both visible in Figure 2B detached or removed from the respective emptying holes 210_{H1},210_{H2}, whereas a plug covering the respective emptying hole, such as the plug 210_{P1} covering the emptying hole **210_{H1}**, is visible in **Figure 2A**). Advantageously, each emptying hole 210_{H1},210_{H2} is located, along the sliding direction X, in an advanced position of the drawer body 210 (i.e., towards the drawer handle 205); therefore, when the drawer 115 is sufficiently extracted or pulled out, the plugs 210_{P1},210_{P2} become accessible and can be removed to free the emptying holes 210_{H1},210_{H2}. Therefore, upon sufficient extraction or pulling out of the drawer 115 and removal of the plug(s) 210_{P1},210_{P2}, the treatment agent(s) in the multi-dose compartment(s) 220₁,220₂ is caused to flow outside through the respective emptying hole(s) 210_{H1},210_{H2}, e.g. for being collected in a proper gathering container placed under the drawer 115 (the flowing of the treatment agent outside the multi-dose compartments 2201,2202 through the emptying holes 210_{H1},210_{H2} being for example promoted by a proper slanting or other draining shape of a bottom wall of the drawer body 210).

[0058] By extraction or pulling out of the drawer 115 it is herein intended the actuation along the sliding direction **X** of the drawer 115 within the drawer seat 120 (*i.e.*, with the drawer 115 that is attached to or connected to or coupled to or fitted into the drawer seat 120); attachment or connection or coupling or fitting of the drawer 115 is preferably releasable (so as to detach or disconnect or decouple or unfit the drawer 115 from the drawer seat 120) by means of an extraction component (only a part thereof being visible in **Figure 2D** and globally denoted by the number reference 210_E).

[0059] For the purposes of the present disclosure, the extraction component 210_E is preferably coupled or coupleable to the drawer seat 120 (advantageously, on a front part thereof that, in use, faces the drawer handle 205). More preferably, the extraction component 210_E comprises a releasable locking element 210_E,LOC for locking the extraction component 210_E in a slot 120_S of the drawer seat 120 (thus firmly securing the extraction component 210_E to the drawer seat 120 during actuation of the extraction component 210_E).

[0060] Preferably, the extraction component 210_E further comprises an extraction actuator 210_E,_{ACT} (visible in Figure 2D) actuatable by the user in order to decouple the drawer 115 from the drawer seat 120. Preferably, the extraction component 210_E comprises a catch portion 210_E,_{CAT} adapted to engage a blocking portion (not shown) of the drawer body 210; more preferably, the extraction actuator 210_E,_{ACT} is mechanically coupled to the catch portion 210_E,_{CAT} for operating the extraction component 210_E between a first condition in which the catch portion 210_E,_{CAT} engages the blocking portion thereby preventing extraction of the drawer 115 from the drawer seat 120 and a second condition in which the catch por-

tion 210_{E'CAT} disengages the blocking portion thereby allowing extraction of the drawer 115 from the drawer seat 120 (with the extraction component 210_F that, when the drawer 115 is extracted from the drawer seat 120, is firmly coupled to the drawer seat 120 by means of the locking element 210_{E,LOC} being fitted in the slot 120_S). A more detailed description of the extraction component 210_F (and of embodiments thereof) can be found in EP2876197, which is herein incorporated by reference. [0061] Preferably, the drawer 115 also comprises a drawer cover 225 for covering the drawer body 210. More preferably, the drawer cover 225 is configured to cover the rear area of the drawer body 210, thus leaving uncovered the front area of the drawer body 210, and hence the mono-dose compartments 2151,2152; the monodose compartments $\mathbf{215_{1},215_{2}}$ can therefore be directly accessed from above (i.e., through the respective access mouths) for loading the treatment agents therein. Even more preferably, the drawer cover 225 comprises the above mentioned access openings associated with the multi-dose compartment 2201,2202 for loading the treatment agent; in the example at issue in which the drawer body 210 comprises two multi-dose compartments 220₁, 2202, two access openings 2301,2302 are provided in the drawer cover 225.

[0062] However, embodiments of the present invention may be provided in which the drawer 115 comprises no drawer cover 225; in this case, similarly to the monodose compartments $215_1,215_2$, the top of the drawer body 210 at each multi-dose compartment 220₁,220₂ identifies a respective access mouth of that multi-dose compartment 220₁,220₂ for allowing treatment agent loading from above (in the following, any considerations about the access openings 230₁,230₂ and interactions thereof with other drawer parts or components are intended to equivalently apply to the access mouths associated with the multi-dose compartment 220₁,220₂ when no drawer cover 225 is provided). Alternatively, the drawer cover 225 may be configured to cover also the front area of the drawer body 210; in this case, the drawer cover 225 may comprise access openings associated with the mono-dose compartment 215₁,215₂ for loading the treatment agent; in the example at issue in which the drawer body 210 comprises two mono-dose compartments 215₁,215₂, two access openings may be provided in the drawer cover 225.

[0063] One or more of the access openings $230_1,230_2$ (preferably, each one of the access openings $230_1,230_2$) comprises, at an inner part thereof, a level indicator for indicating a level of treatment agent that is recommended to be loaded in the respective multi-dose compartment $220_1,220_2$. In the considered embodiment, only one level indicator is assumed, for example the level indicator associated with the access opening 230_1 (visible in Figures 2B and 2C and denoted by the number reference 230_{1L}). Each level indicator, such as the level indicator 230_{1L} , may for example be in the form of a horizontally projecting fin preferably formed at a proper inner wall of the respec-

tive access opening (e.g., in a single piece with it), more preferably at a corner of the substantially square-like shape of the respective access opening.

[0064] Preferably, although not necessarily, the access openings 230₁,230₂ are formed in the drawer cover 225 side by side along the transversal direction Y.

[0065] The access openings 230₁,230₂ are advantageously formed in an area 225_A of the drawer cover 225 that, when the drawer cover 225 is mounted on the drawer body 210, is proximal to the front area of the drawer body 210 (*i.e.*, the area of the drawer body 210 where the mono-dose compartments 215₁,215₂ are provided), or substantially proximal thereto (as detailed here below): therefore, a low or relatively low extraction of the drawer 115 is required for allowing the user to load the treatment agents in the multi-dose-compartments 220₁,220₂ (an excessive extraction of the drawer 115 would instead impair the mechanical stability of the drawer 115, essentially due to its elongated shape and/or to its relatively heavy weight, especially when treatment agents are contained therein).

[0066] Advantageously, the area 225_A of the drawer cover 225, and hence the access openings 230₁,230₂, are formed at such a distance (along the longitudinal direction X) from the access mouths of the mono-dose compartments 215₁,215₂ (or the access openings associated with the mono-dose compartments 215₁,215₂, when provided) that a free region 240 is defined in the drawer cover 225 preferably adapted to contain one or more pieces of information for the user. Exemplary pieces of information that may be contained in the free region 240 are information about correct dosages of the treatment agents according to treatments agents and/or water chemical parameters, and/or general indications or instructions about a correct operation or setting of the autodosing functionality.

[0067] According to the exemplary, not limiting, embodiment of the present invention, the area 225_A of the drawer cover 225 in which the access openings 230_1 , 230_2 are formed is a recessed area 225_A , the recessed area 225_A being recessed (along the vertical direction Z) with respect to a top profile of the drawer cover 225.

[0068] As better visible in Figure 2C, the recessed area 225_A preferably comprises a rim region 225_{AR} that substantially (or at least partially) surrounds the access openings 230₁,230₂. The rim region 225_{AR} preferably comprises a front portion $\mathbf{225}_{\mathsf{AR}}$, \mathbf{F} (in use, the front portion 225_{AR}, being for example proximal to the drawer handle 205 or, when provided, to the free region 240), and side portions 225_{AR',S1},225_{AR',S2}. More preferably, each side portion 225_{AR}, s₁,225_{AR}, or at least a relevant part thereof, opens to a respective side edge portion 225_{S1} , 225_{S2} of the drawer cover 225 (in order to house a respective grip portion, as discussed below); in other words, the top profile of the drawer cover 225, and particularly the side edge portion thereof, stops in correspondence of each side portion 225_{AR}, s₁, 225_{AR}, S2 of the rim region 225AR.

[0069] As exemplary illustrated in Figures 2A and 2B, additionally to the recessed area 225A of the drawer cover 225, a recessed area is advantageously provided in the drawer body 210; preferably, as illustrated, the recessed area of the drawer body 210 comprises two opposite recessed side portions 210_{AR',S1},210_{AR',S2} that open to respective side edge portions 210_{S1},210_{S2} of the drawer body 210 (in order to house the respective grip portion, as discussed below); in other words, the recessed side portions 210_{AR'S1},210_{AR'S2} are recessed, along the vertical direction **Z**, with respect to a top profile of the side edge portions 210_{S1},210_{S2} of the drawer body 210 (or, otherwise stated, the top profile of the side edge portions 210_{S1},210_{S2} of the drawer body 210 stops in correspondence of each recessed portion side 210AR, _{S1},210_{AR},_{S2}).

[0070] Advantageously, as visible in Figure 2A, upon mounting of the drawer cover 225 onto the drawer body 210, the side edge portions 225_{S1},225_{S2} of the drawer cover 225 are, along the transversal direction Y, adjacent (e.g., inwardly adjacent) and preferably in contact to the side edge portions 210_{S1},210_{S2} of the drawer body 210. Even more advantageously, upon mounting of the drawer cover 225 onto the drawer body 210, the top profiles of the side edge portions 225_{S1},225_{S2} of the drawer cover 225 and of the side edge portions 210_{S1},210_{S2} of the drawer body 210 are flush to each other along the vertical direction Y, and the side portions 225_{AR,S1},225_{AR,S2} of the rim region $\mathbf{225}_{AR}$ are flush, along the vertical direction Y, with the recessed portion side 210AR,S1,210AR,S2. Therefore, the top profiles of the side edge portions 225_{S1},225_{S2}, of the drawer cover 225, and of the side edge portions 210_{S1},210_{S2} are flush to each other along the vertical direction Y and define, as a whole, a top profile of the drawer 115.

[0071] According to the present invention, as visible in Figures 2A, 2B and 2C, the laundry appliance 100 preferably comprises an access component associated with the drawer 115 (and, particularly, to the access openings 230₁,230₂) for selectively covering and uncovering the access openings 230₁,230₂ thereby respectively preventing and allowing access to the respective multi-dose compartments 220₁,220₂ (in the exemplary considered embodiment, no access components are provided for selectively covering and uncovering the access mouths of the mono-dose compartments 215₁,215₂, however this should not be construed as a limitation).

[0072] The access component may for example be a door 245, the door being advantageously coupled or coupleable to the drawer cover 225 at the respective access opening 230₁,230₂. According to the advantageous embodiment herein considered and illustrated, the door 245 is a flap door pivotally coupled to the drawer cover 225 so as to be actuatable by the user between an open position (shown in the bottom drawing of Figure 2A) and a closed position (shown in the top drawing of Figure 2A) for jointly uncovering and covering, respectively, both the access openings 230₁,230₂.

[0073] In other words, according to the present invention, a single door 245 associated with both access openings 230₁,230₂ is provided. Having a single door 245 for covering and uncovering both the access openings 230₄, 2302 jointly (i.e., concurrently) makes user experience extremely simple; in fact, in doing so, no associations between doors and access openings have to be remembered by the user, thus avoiding risks of confusion that could be frustrating for the user. Moreover, having a single door 245 for jointly covering and uncovering both the access openings 2304,2302 makes the drawer aesthetics more pleasant, and capable of giving to the user a feeling of attention to detail and refinement: in fact, having a single door 245 instead of two or more adjacent doors avoids differences in heights among the doors (due to unavoidable manufacturing tolerances), and an excessive number of unaesthetic door contour lines which would be in contrast with a fine and minimal appearance of the rest of the drawer.

[0074] Preferably, as illustrated, the door 245 fits the recessed area 225_A of the drawer cover 225 and, preferably, the recessed area of the drawer body 210 (*i.e.*, the recessed side portions 210_{AR'S1},210_{AR'S2}) and is flush with the top profile of the drawer 115 when the door 245 is in the closed position. However, same considerations apply for alternative embodiments of the present invention in which the drawer 115 comprises no drawer cover 225 in correspondence of the door 245; in these embodiments, the door 245 is advantageously shaped to fit the recessed area of the drawer body 210 (*i.e.*, the recessed side portions 210_{AR'S1},210_{AR'S2}) and to be flush with the top profile of the drawer body 210 (*i.e.*, of the side edge portions 210_{S1},210_{S2} thereof) when the door 245 is in the closed position.

[0075] The door 245 preferably comprises an abutment portion 245AB that, when the door 245 is in the closed position, abuts on the rim region 225_{AR} (preferably on a portion thereof, and more preferably on the front portion 225_{AR}, thereof). The abutment portion 245_{AB} is preferably part of a sealing member of the door 245, the sealing member being for example made of synthetic rubber or thermoplastic materials, or other materials having sufficiently resilient properties to ensure good adherence when coming in contact with the rim region 225_{AR} (i.e., when the door 245 in the closed position). The sealing member is advantageously overmolded to a body 245_R of the door 245, the body 245_B of the door 245 being for example made of same or similar plastic material of most of the drawer 115 (for example, a plastic rigid material). [0076] According to an embodiment of the present invention, the door 245 further comprises one or more grip portions for actuating the door 245. Preferably, as illustrated, the door 245 comprises two grip portions 245_{G1}, 245_{G2}, each one facing a respective side portion 245_{AR}, S1,245AR,S2 of the rim region 245AR when the door 245 is in the closed position.

[0077] The grip portions 245_{G1} , 245_{G2} are preferably formed in a single piece with the abutment portion 245_{AB} ,

the grip portions 245_{G1} , 245_{G2} being therefore part of the sealing member. More preferably, the grip portions 245_{G1},245_{G2} are designed such that, when the door 245 is in the closed position, each grip portion 245_{G1},245_{G2} is flush (along the vertical direction **Z**) with the respective side edge portion 210_{S1},210_{S2} of the drawer body 210 (and, when the drawer cover 225 is provided, with the respective side edge portion 225_{S1},225_{S2} thereof). Even more preferably, the grip portions $\mathbf{245}_{\mathbf{G1}}, \mathbf{245}_{\mathbf{G2}}$ are designed such that, when the door 245 is in the closed position, each grip portion 245_{G1},245_{G2} is spaced apart from the multi-dose compartment 2201,2202 along the vertical direction Z. Still more preferably, each grip portion 245_{G1},245_{G2} has a thickness lower than the thickness of the abutment portion 245AB, such that, when the door 245 is in the closed position (and the abutment portion 245_{AB} abuts the front portion 245_{AR,F} of the rim region 245_{AR}, when provided) each grip portion 245_{G1}, 245_{G2} and the respective faced recessed side portion 210_{AR},S1,210_{AR},S2 (and eventually the respective faced side portion 225_{AR},s₁,225_{AR},s₂ of the rim region 245_{AR}, when provided) are spaced apart from each other (along the vertical direction **Z**) by a gap (visible in the top drawing of Figure 2A) that allows the user to grasp the grip portion 245_{G1},245_{G2}.

[0078] Having a single door 245 for jointly covering and uncovering both the access openings $230_1,230_2$, and having two grip portions $245_{G1},245_{G2}$ for actuating the door 245 makes user experience extremely simple; in fact, in doing so, no association between doors, access openings and grip portions have to be remembered by the user, thus avoiding risks of confusion that could be frustrating for the user.

[0079] According to an embodiment of the present invention, the door **245** is a marked component, *i.e.* it has a respective marker. Preferably, the marker is provided in the sealing member. More preferably, the marker is provided on one or more of (preferably both) the grip portions **245**_{G1},**245**_{G2} (so that the user can quickly identify the portion(s) of the door **245** to be grasped for its opening). Additionally or alternatively, the marker is preferably provided on the abutment portion **245**_{AB} (so that the user can quickly identify the door **245**, and, in the example at issue, quickly understand that a single door is provided for jointly covering two distinct multi-dose compartments **220**₁,**220**₂).

[0080] Preferably, this marker comprises an appearance feature standing out from a generally uniform appearance of the drawer 115. For example, the appearance feature may comprise a color, more preferably a color that stands out from a generally uniform color of the drawer 115; just as an example, in case that the drawer 115 has a generally uniform (e.g., white) color (as in most of currently marketed laundry appliances), the color of the sealing member may be a color different from the generally uniform color of the drawer 115, the color of the sealing member being for example sufficiently different from the generally uniform color of the drawer 115 to

allow the user to visually detecting the sealing member at a first glance; just as an example, the color of the sealing member may be red, blue, green, black, yellow, or pink (or even a combination thereof and/or of other known colors). Even more preferably, the color of the sealing member may be selected, among the group of any known colors, as a color that, even from daily experience of other aspects of the human life, is already a signifier in itself and therefore that any user is induced to associate with a condition requiring and attracting his/her attention; examples of these colors are red, which is commonly used to indicate dangers or prohibitions (e.g., in road signs), and/or blue (which, for example, in road signs indicate obligation). For ease of representation, in Figures 2A-2D the markers are generally represented as a uniform grey color of the grip portions 245_{G1},245_{G2} and of the abutment portion 245_{AB} to which the marker is preferably (although not exclusively) applied.

[0081] Additionally or alternatively to the color, the appearance feature may comprise one or more graphical effects able to attract the attention of the user due to their aesthetical appeal and/or to their unaccustomed use in the laundry appliance field. Examples of these graphical effects comprise color shades or tones (for example, in case of a drawer having a generally uniform color, the graphical effect may comprise a warmer tone of the same color), mirror effects, chromed effects, satin finishes, and the like.

[0082] Additionally or alternatively to the color and/or to the graphical effect(s), the appearance feature may comprises one or more tactile effects. Examples of these tactile effects comprise rough or knurled surfaces, e.g. as opposed to a generally uniform smooth surface of the drawer **115**.

[0083] Alternatively or, as herein assumed, additionally to the appearance features of the marker, the marker preferably comprises a function indicator allowing the user to recognize a function of the door 245 (or of a drawer part associated therewith). Each function indicator may for example be a textual indicator and/or sign indicator. [0084] Just as an example, the textual indicator may comprise a term indicating the function of the respective component (for example, "door"), or an abbreviation thereof. Additionally or alternatively, the textual indicator may comprise a term indicating the action to be taken by the user for actuating the respective component (for example, "lift" associated with the access component 245 and particularly to the grip portions 245_{G1},245_{G2}). Additionally or alternatively, the textual indicator may comprise a letter (for example, as illustrated in Figures 2A-2C, the letters "A" and "B" provided on the door 245 and respectively associated with the multi-dose compartments 220, and 220, covered or uncovered by the door 245).

[0085] Just as an example, the sign indicator may comprise a symbol, preferably in a self-explanatory form, such as the common symbols of washing detergent and softener respectively associated with the multi-dose

compartments 220_1 and 220_2 (as visible in Figures 2A-2C), or symbols explaining or suggesting the action to be taken by the user for actuating the respective component (for example, an upwards circular arrow for suggesting the user the lifting movement necessary to actuate the door 245).

[0086] The function indicators may be formed at any convenient part of the door 245, or even in a proximity of it (for example, in case of function indicators including relatively detailed instructions); just as an example, as visible in Figures 2A-2C, the functional indicators associated with the multi-dose-compartments 220₁,220₂ are advantageously provided on a surface of the door 245 opposite to an inner surface of the door 245 that, when the door 245 is in the closed condition, faces the multi-dose compartments 220₁,220₂ (alternatively, the functional indicators may be provided on the inner surface or on both inner and outer surfaces thereof).

[0087] As discussed above, in the example at issue the user interface 125 comprises one or more control elements for allowing the user to select a washing cycle and to control one or more operating parameters of the selected washing cycle, and one or more status indicators for indicating to the user a status of the laundry appliance 100. According to an embodiment of the present invention, one or more of the operating parameter(s) and the status indicator(s) is associated each one with a respective one of said markers. In particular, when the marker comprises the function indicator (e.g., in the form of textual indicator and/or sign indicator) allowing the user to recognize a function of the door 245, the same function indicator may be provided on the user interface 125 and associated with one or more of the operating parameters or of the status indicators. Just as an example, the textual indicator comprising the letters "A" and "B" provided on the door 245 and respectively associated with the multidose compartments 220, and 220, may also be provided on the user interface 125 (and particularly on the control elements, such as the selection buttons for allowing the user to select the desired multi-dose compartment). Just as another example, when the marker comprises a sign indicator in the form of a symbol, the same symbol of the component or of the function (e.g., washing detergent and softener) is also provided on the user interface 125 (and, particularly, on the control elements (e.g., selection buttons) for selecting the desired function or on the status indicator for allowing to check the status of the respective component).

[0088] As mentioned above, the drawer **115** can be moved between the extracted and retracted positions by acting on the drawer handle **205**.

[0089] According to an exemplary, not limiting embodiment of the present invention, the drawer handle 205 may be reversibly coupled or connected to the drawer body 210, for example by means of a coupling arrangement associated with the drawer 115. Preferably, although not necessarily, the coupling arrangement comprises sliding means (such as the rail elements 210_{R1},

210_{R2} visible in Figure 2B) arranged on the drawer body 210 along the transversal direction Y (which identifies a coupling direction between the drawer handle 205 and the drawer body 210) and sliding means (such as rail elements 205_{R1},205_{R2} visible in Figure 2D) arranged on the drawer handle 225 along the transversal direction Y. The rail elements 210_{R1},210_{R2} of the drawer body 210 are adapted to slidably engage with the rail elements 205_{R1},205_{R2} of the drawer handle 205 for allowing the drawer handle 205 to move with respect to the drawer body 210 along the transversal direction Y. Preferably, in order to provide the reversible coupling of the drawer handle 205 to the drawer body 210 (e.g., for easily carrying out cleaning or maintenance operations on the drawer 115), the coupling arrangement also comprises a detach component 250 configured to selectively prevent or allow the movement of the drawer handle 205 with respect to the drawer body 210 along the transversal direction Y (whereby when such a movement is allowed, detachment or decoupling between the drawer handle 205 and the drawer body 210 can be obtained).

[0090] According to a preferred embodiment of the present invention, the detach component 250 is a detent element located on an inner face of the drawer handle 205 and configured to be switched between a locked configuration, in which the detent element 250 engages a corresponding detent region 255 (e.g. a window, preferably a rectangular window, visible in Figure 2B) in a front wall of the drawer body 210, and an unlocked configuration, in which the detent element 250 is disengaged from the detent region 255 thereby allowing the movement of the drawer handle 205 with respect to the drawer body 210 along the transversal direction Y. Preferably, as visible in Figures 2B and 2D, the detach component 250 comprises a detach actuator 250_{ACT} actuatable for switching the detach component 250 between the locked and unlocked configurations. According to an alternative embodiments of the present invention, the detach actuator 250_{ACT} may be provided in the drawer body 210 instead of in the drawer handle 205, or the detach actuator 250ACT may be "distributed" between the drawer body 210 and the drawer handle 205.

[0091] According to an embodiment of the present invention, in addition to the door 245, one or more other marked components are provided. Preferably, the marked components comprise, in addition to the door 245, one or more among the detach component 250, the adapter component 215₁,AD, the extraction component 210_E and the plug components 210_{P1},210_{P2}. More preferably, the marked components comprise all among the detach component 250, the adapter component 215₁,AD, the extraction component 210_E and the plug components 210_{P1},210_{P2}, so as to allow the user to visually identify all (or a relevant number of) the components associated with the drawer 115 that can be manually actuated by the user while interacting with the drawer 115 (hereinafter referred to as a whole as actuatable components).

[0092] According to an embodiment of the present in-

vention, the appearance feature of the marker of the door **245** (*i.e.*, of the sealing member thereof) is common (thus referred to as common appearance feature in the following) to the marker of the door **245** and to the marker(s) of the other marked component(s).

[0093] In Figures 2A-2D the markers of the detach 250, adapter $215_{1,AD}$, extraction 210_E and plug 210_{P1} , 210_{P2} components (or of the portions thereof to which the markers are preferably, although not exclusively, applied) are generally represented as a same uniform grey color (similarly to the general representation of the marker on the grip portions 245_{G1} , 245_{G2} and of the abutment portion 245_{AB} of the door 245).

[0094] The detach component 250 is preferably marked; the marker is preferably (but not exclusively) provided on the detach actuator 250_{ACT} (so that the user can quickly identify the portion of the detach component 250 onto which push action has to be exerted for detaching the drawer handle 205 from the drawer body 210).

[0095] The adapter component 215_{1,AD} is preferably marked; the marker is preferably (but not exclusively) provided on the inclined edge IE_{1,AD} (so that the user can quickly identify the portion of the adapter component 215_{1,AD} to be grasped for insertion and removal thereof into and from the mono-dose compartment 215₁).

[0096] The extraction component 210_E is preferably marked; the marker is preferably (but not exclusively) provided on the extraction actuator $210_{E,ACT}$ (so that the user can quickly identify the portion of the extraction component 210_E onto which push action has to be exerted for extracting the drawer 115 from the drawer seat 120). [0097] One or more of the plug components 210_{P1} , 210_{P2} are preferably marked, the markers are preferably provided on exposed surfaces of the plug components 210_{P1} , 210_{P2} plug the respective emptying holes 210_{H1} , 210_{H2} , are visible by the user (so that the user can quickly identify the plug components 210_{P1} , 210_{P2}).

[0098] As should be readily understood, further components (or groups of further components) of the drawer 115 may be marked in order to improve their identifiability. The further components (or groups of further components) do not necessarily need to be actuatable components. Moreover, each one of these further components (or groups of further components) may have a respective further marker, different from the marker associated with the actuatable components discussed above. According to an embodiment of the present invention, not shown, the further markers may be provided on portions of the mono-dose compartments 215₁,215₂ in order to better identify them and, for example, distinguish them from the multi-dose compartments 220₁,220₂. The further markers may for example have a one or more further common appearance features different from the common appearance feature discussed above and, preferably, from the generally uniform appearance of most of the drawer 115. Just as an example the mono-dose compartments 215₁, 2152, and particularly the access mouths thereof, may

have a color different from the color associated with the markers and from the color of most of the drawer 115. [0099] Naturally, in order to satisfy local and specific requirements, a person skilled in the art may apply to the invention described above many logical and/or physical modifications and alterations. More specifically, although the invention has been described with a certain degree of particularity with reference to preferred embodiments thereof, it should be understood that various omissions, substitutions and changes in the form and details as well as other embodiments are possible. In particular, different embodiments of the invention may even be practiced without the specific details (such as the numeric examples) set forth in the preceding description for providing a more thorough understanding thereof; on the contrary, well known features may have been omitted or simplified in order not to obscure the description with unnecessary particulars.

Claims

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1. Drawer (**115**) for a laundry treatment appliance (**100**), wherein the drawer (**115**) comprises:

a drawer body (210) having at least two compartments (220₁,220₂) each one adapted to contain multiple doses of a respective laundry treatment agent for performing multiple laundry treatment cycles,

associated with the at least two compartments $(220_1,220_2)$, at least two access openings $(230_1,230_2)$ each one for accessing a respective one of said at least two compartments $(220_1,220_2)$ for laundry treatment agent loading, and a single door (245) associated with the at least two access openings $(230_1,230_2)$, the door (245) being actuatable between open and closed positions for uncovering and covering, respectively, said at least two access openings jointly $(230_1,230_2)$.

- 2. The drawer (115) according to claim 1, further comprising a drawer cover (225) for covering at least partially the drawer body (210), the door (245) being coupled or coupleable to the drawer cover (225) at said at least two access openings (230₁,230₂).
- The drawer (115) according to claim 1 or 2, comprising a recessed area (225_A; 210_{AR'S1},210_{AR'S2}) being recessed with respect to a top profile of the drawer (115), said at least two openings (230₁,230₂) being formed in said recessed area (225_A; 210_{AR'S1}, 210_{AR'S2}).
- The drawer (115) according to claim 3, wherein the door (245) fits said recessed area (225_A; 210_{AR,S1}, 210_{AR,S2}) and is preferably flush with the top profile

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of the drawer (115) when the door (245) is in the closed position.

- The drawer (115) according to any of the preceding claims, wherein the door (245) comprises a sealing member.
- The drawer (115) according to claim 5, wherein the sealing member is overmolded to a body of said door (245).
- The drawer (115) according to any of the claims 3 or 4, wherein the recessed area (225_A; 210_{AR'S1}, 210_{AR'S2}) comprises first (210_{AR'S1}) and second (210_{AR'S2}) recessed side portions of the drawer body (210) that open to respective side edge portions (210_{S1},210_{S2}) of the drawer body (210).
- 8. The drawer (115) according to any of the claims 3 or 4 or 7 when depending on claim 2, wherein the recessed area (225_A; 210_{AR},_{S1},210_{AR},_{S2}) comprises a recessed area (225_A) of the drawer cover (225), and wherein the recessed area (225_A) of the drawer cover (225) comprises a rim region (225_{AR}) that at least partially surrounds said at least two access openings (230₁,230₂), the door (245) comprising an abutment portion (245_{AB}) that, when the door (245) is in the closed position, abuts on a portion (225_{AR}, F) of the rim region (225_{AR}).
- The drawer (115) according to any of the preceding claims, wherein the door (245) comprises at least one grip portion (245_{G1},245_{G2}) for actuating the door (245).
- 10. The drawer (115) according to claim 9 when depending directly or indirectly on claim 7, wherein each one of said at least one grip portion (245_{G1},245_{G2}) faces a respective one of said recessed side portions (210_{AR},S1,210_{AR},S2) of the drawer body (210) when the door (245) is in the closed position.
- 11. The drawer (115) according to claim 10, wherein said at least one grip portion (245_{G1},245_{G2}) is flush with the top profile of said side edge portions (210_{S1}, 210_{S2}) of the drawer body (210) when the door (245) is in the closed position.
- 12. The drawer (115) according to claim 10 or 11, wherein, when the door (245) is in the closed position, each one of said at least one grip portion (245_{G1},245_{G2}) and the respective faced recessed side portion (210_{AR},s₁,210_{AR},s₂) of the drawer body (210) are spaced apart from each other by a gap that allows the user to grasp said at least one grip portion (245_{G1}, 245_{G2}).
- 13. The drawer (115) according to any claim from 9 to

- 12 when depending directly or indirectly on claim 8, wherein each one of said at least one grip portion $(245_{G1},245_{G2})$ faces a respective side portion $(225_{AR},31,225_{AR},32)$ of the rim region (225_{AR}) when the door (245) is in the closed position.
- 14. The drawer (115) according to any of the preceding claims, wherein the door (245) has a first surface that, when the door (245) is in the closed condition, faces the at least two compartments (220₁,220₂), and a second surface opposite the first surface, and wherein the door (245) comprises, on at least one between the first and second surfaces, at least two function indicators for allowing the user to recognize a function of said at least two compartments (220₁, 220₂).
- 15. The drawer (115) according to any of the preceding claims, further comprising at least one further drawer compartment (215₁,215₂) formed in the drawer body (210) for containing a single dose of a respective laundry treatment agent, and at least one access mouth for accessing said at least one further drawer compartment (215₁,215₂) for laundry treatment agent loading, wherein the at least two access openings (230₁,230₂) are formed, along a sliding direction (X) of the drawer (115) into a drawer seat (120) of the laundry treatment appliance (100), at such a distance from the at least one access mouth that a free region (240) is defined in the drawer cover (225) especially adapted to contain one or more pieces of information for the user.

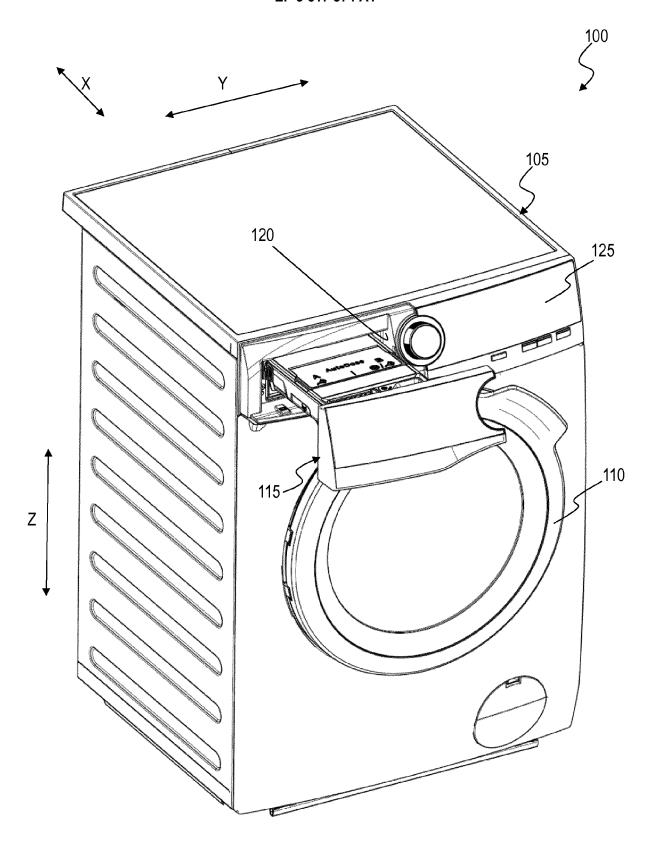


Figure 1A

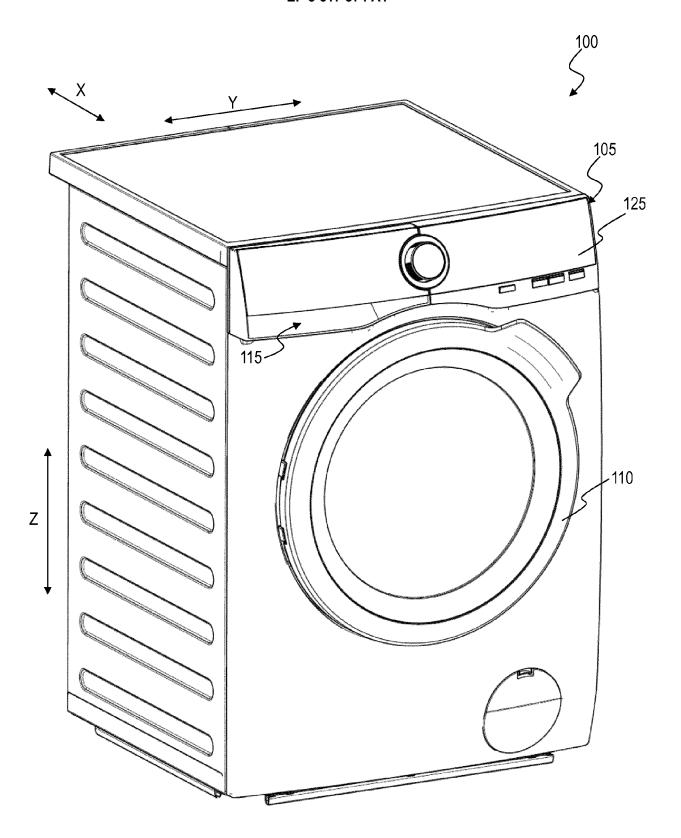


Figure 1B

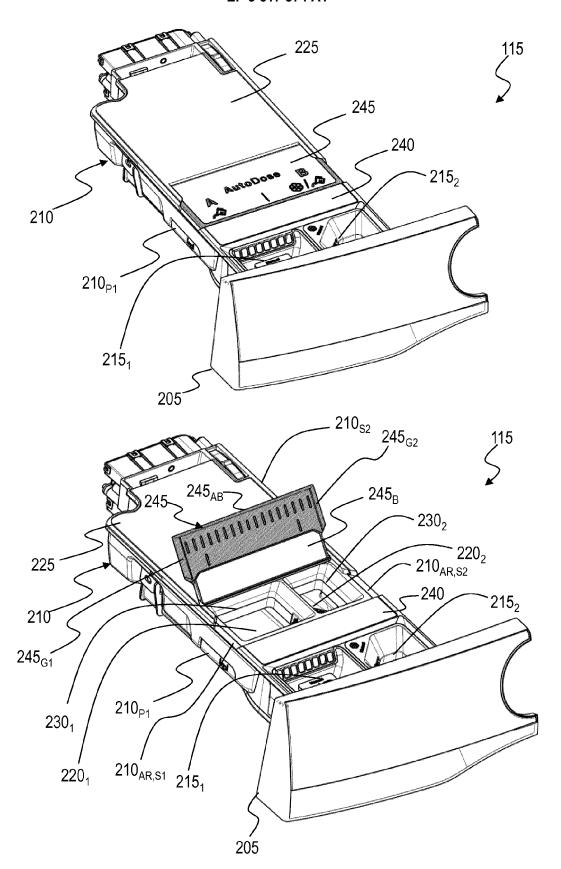


Figure 2A

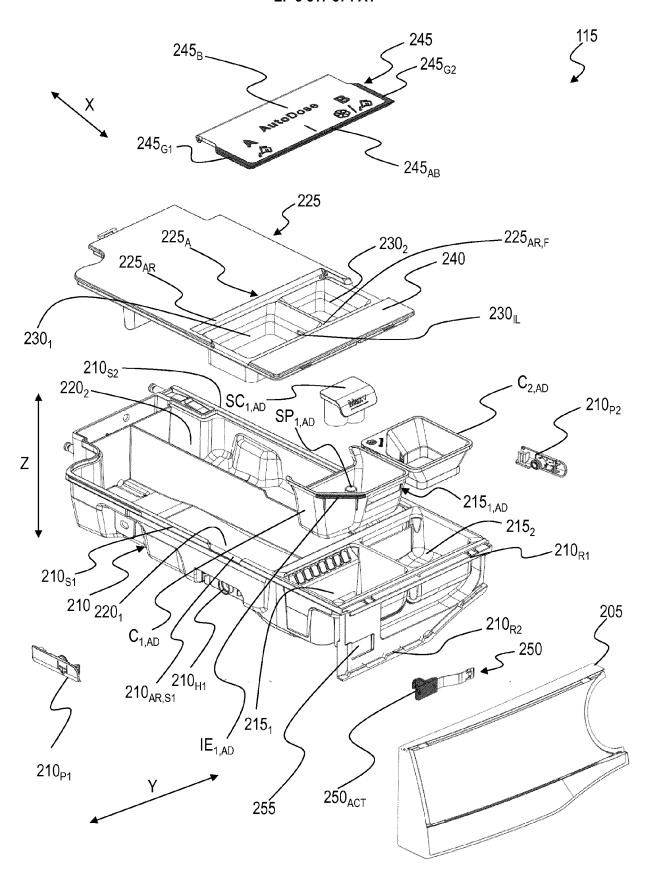


Figure 2B

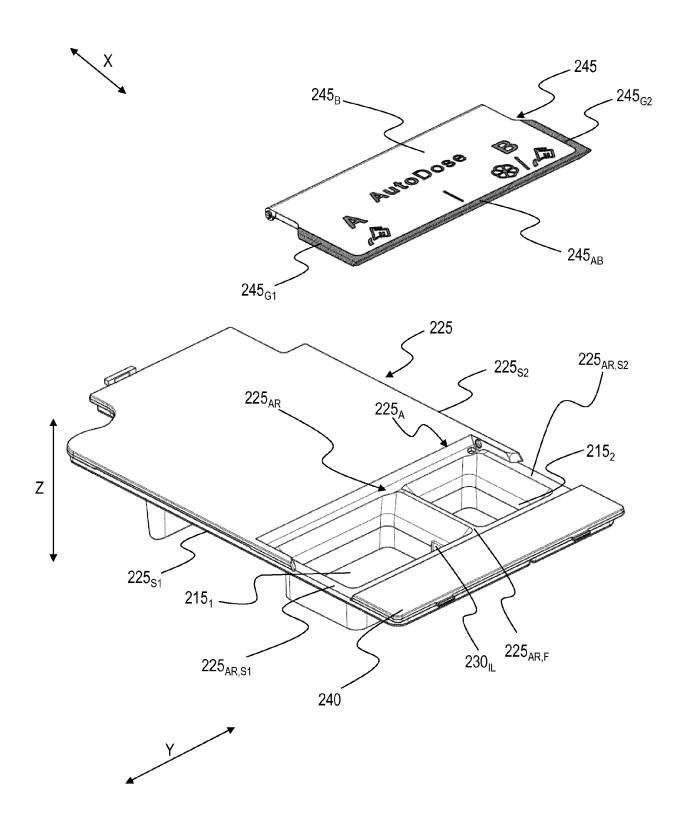
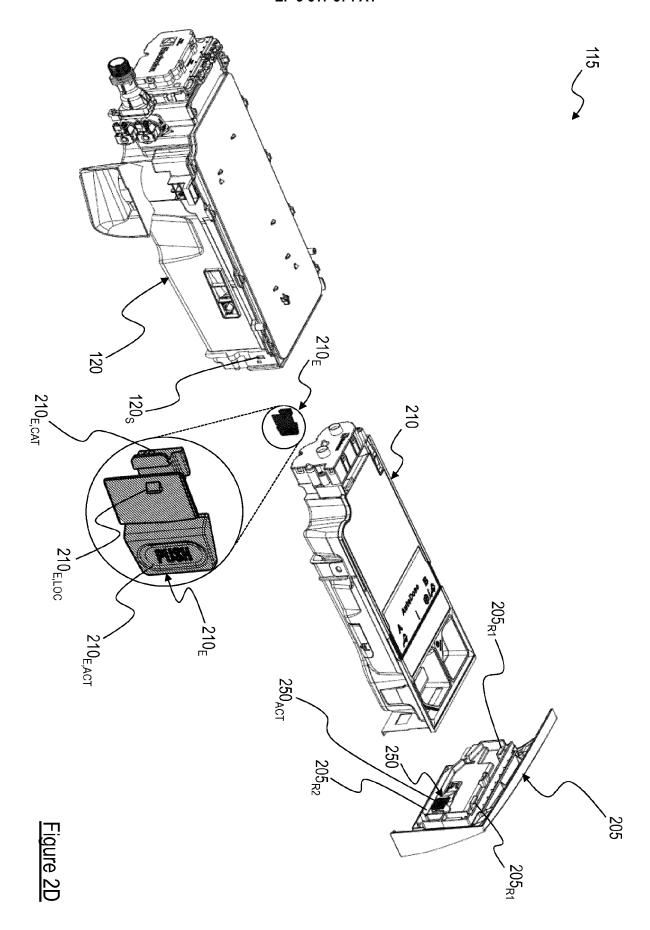


Figure 2C



DOCUMENTS CONSIDERED TO BE RELEVANT

Citation of document with indication, where appropriate,

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Category

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EUROPEAN SEARCH REPORT

Application Number

EP 18 19 1660

CLASSIFICATION OF THE APPLICATION (IPC)

TECHNICAL FIELDS SEARCHED (IPC)

D06F

INV.

D06F39/02

Relevant

to claim

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