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Plys; John	July 15, 2021

PLUSH TOY

Abstract

A toy with a deformable outer shell including an upper portion, a lower portion, and a hollow interior. The outer shell is substantially covered in a soft material and shaped substantially like an animal. The toy includes more eyes on the upper portion of the outer shell, and an orifice on the lower portion of the outer shell. The orifice can be opened and closed. The toy includes an inner bladder within the deformable outer shell. The inner bladder includes a fluid and is sealed to prevent fluid from leaking from the inner bladder. The inner bladder fills the hollow interior of the deformable outer shell. In response to squeezing of the outer shell, the fluid may force a portion of the inner bladder to expand out of the outer shell through the orifice. The orifice may be invisible to the user while closed.

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Claims

1. A toy comprising: a deformable outer shell including an upper portion, a lower portion, and a hollow interior, the outer shell being substantially covered in a soft material and shaped substantially like an animal; one or more eyes disposed on the upper portion of the outer shell; an orifice disposed on the lower portion of the outer shell, the orifice being selectively operable between a closed position and an open position; and a resilient inner bladder disposed within the deformable outer shell, the inner bladder being substantially filled with a fluid and being sealed so as to substantially prevent the fluid from leaking out of the inner bladder, wherein the inner bladder substantially fills the hollow interior of the deformable outer shell, wherein, in response to a squeezing from a user of the outer shell, the fluid within the inner bladder forces a portion of the inner bladder to expand out of the outer shell through the orifice while moving the orifice from the closed position to the open position, wherein the orifice is substantially invisible to the user while in the closed position.
2. The toy of claim 1, wherein the one or more eyes include a solid-colored pupil region and a multi-colored iris region surrounding the pupil region.
3. The toy of claim 1, wherein the fluid within the inner bladder is a liquid.
4. The toy of claim 1, wherein the fluid within the inner bladder is a gas.
5. The toy of claim 1, wherein the fluid within the inner bladder is substantially incompressible.
6. The toy of claim 1, wherein the lower portion of the outer shell includes two leg features protruding from the outer shell.
7. The toy of claim 6, wherein the orifice is disposed in lower portion of the outer shell substantially between the two leg features.
8. The toy of claim 1, wherein the lower portion of the outer shell further comprises a flexible membrane covering the orifice that may flex outward in response to pressure from within the hollow interior of the outer shell.
9. A toy comprising: a deformable outer shell including an upper portion, a lower portion, and a hollow interior; one or more facial features disposed on the upper portion of the outer shell so as to replicate a face; an orifice disposed on the lower portion of the outer shell, the orifice being selectively operable between a closed position and an open position; and a resilient inner bladder disposed within hollow interior of the deformable outer shell, the inner bladder being substantially sealed, wherein, in response to a compression force applied to the outer shell, the inner bladder expands to force a portion of the inner bladder to penetrate through the orifice of the outer shell by moving the orifice from the closed position to the open position.
10. The toy of claim 9, wherein the one or more facial features include at least one eye.
11. The toy of claim 10, wherein the at least one eye each include a solid-colored pupil region and a multi-colored iris region surrounding the pupil region.
12. The toy of claim 9, wherein the inner bladder is substantially filled with a fluid.
13. The toy of claim 12, wherein the fluid is a gas.
14. The toy of claim 12, wherein the fluid is air.

deformable outer shell 101. The inner bladder 110 may be made from a deformable material that may stretch in response to a force or pressure and return to a non-deformed shape when the force is released, or return to a shape that may substantially follow any contours of the outer shell's interior. In some embodiments, the inner bladder 110 may include a fluid, such as air, and be sealed so as to prevent the fluid from leaking out of the inner bladder. In some embodiments, other fluids may be used, such as water, a viscous slime material, gels, etc. In some embodiments, the inner bladder 110 may be colored and/or textured to provide an interesting visual or textured feature. For example, the inner bladder 110 may be sparkled, glittery, or be colored with any suitable color. In some embodiments, the color of the inner bladder 110 may match a color included in the one or more eyes 102. In some embodiments, the inner bladder 110 may substantially fill the hollow interior 107 of the deformable outer shell 101. In some embodiments, the inner bladder 110 may be substantially transparent or translucent to allow the fluid within the inner bladder to be visible. In some embodiments, the fluid within the inner bladder 110 may be colored or include glitter, sparkles, or other visually interesting features.

[0023] Referring to FIG. 2, in some embodiments, in response to a squeezing or other application of compression or force to the outer shell 101, the fluid within the inner bladder 110 may force a portion of the inner bladder 110 to expand out of the outer shell 101 through the orifice 108 while moving the orifice from a closed position to an open position. The portion of the inner bladder 110 that expands through the orifice 108 may be visible to a user and may resemble the toy pooping or excreting another material or substance. When the user stops squeezing the toy 100 or the compression pressure is otherwise released, resilient properties of the inner bladder 110 may cause the expanded portion of the inner bladder to retract back through the orifice 108 and into the hollow interior 107 of the outer surface 101 so as to no longer be visible to a user from the exterior. In some embodiments, the orifice 108 may be substantially invisible to a user while in the closed position such that the exposure of the inner bladder 110 upon squeezing the toy may come as a surprise.

[0024] FIG. 3 shows a close-up image of the one or more eyes 102 on the outer surface 101. In some embodiments, the eyes 102 may be relatively large in relation to the other parts of the toy 100, and may include designs that make the eyes interesting to look at. In some embodiments, the eyes 102 may include spiral patterns or other shapes to make them interesting to look at. In some embodiments, the color, texture, or other features of the eyes may substantially match color or texture features of the inner bladder 110 that may become visible to a user upon compression of the toy 100.

[0025] FIGS. 4A and 4B show another embodiment of a plush toy 200 having similar features as the plush toy 100. In some embodiments, the plush toy 200 may include an outer shell 201 with an upper portion 203, a lower portion 205, and a hollow interior. The outer shell 201 may include one or more eyes 202 that may be disposed on the upper portion 203. The outer shell 201 may include ears 204 that may protrude from the upper portion 201 of the outer shell, and a mouth, teeth, or other facial features 206 on the upper portion. An orifice 208 may be formed in the lower portion 205 of the outer shell 201. In some embodiments, the orifice 208 may be selectively operable between a closed position and an open position. In some embodiments, the outer shell 201 may include a flexible membrane disposed to cover the orifice 208 and flex outward in response to pressure from within the hollow interior; for example, in response to a user squeezing or otherwise compressing the outer shell 201 inward. In some embodiments, a resilient inner bladder 210 may be disposed within the hollow interior of the deformable outer shell 201. FIG. 4A shows the plush toy with the inner bladder 210 retracted within an outer shell 201 having the features of an animal with ears, eyes, nose on an upper portion of the outer shell and feet 211 and an orifice 208 on the lower portion 205. FIG. 4B shows the plush toy 200 being squeezed, forcing at least a portion of the inner bladder 210 out of the outer shell 201 through an orifice 208 on the lower portion 205 of the outer shell. In some embodiments, the orifice 208 may be disposed substantially between two legs 211 of the toy 200 on the lower portion 205.

[0026] FIGS. 5A and 5B show another embodiment of a plush toy 300 having similar features as the plush toy 100. In some embodiments, the plush toy 300 may include an outer shell 301 with an upper portion 303, a lower portion 305, and a hollow interior. The outer shell 301 may include one or more eyes 302 that may be disposed on the upper portion 303. The outer shell 301 may include other facial features such as a mouth, teeth, scars, or other facial features 306 on the upper portion. An orifice 308 may be formed in the lower portion 305 of the outer shell 301. In some embodiments, the orifice 308 may be selectively operable between a closed position and

