



US0D1077150S

(12) **United States Design Patent** (10) **Patent No.:** **US D1,077,150 S**
Yoneda (45) **Date of Patent:** **** May 27, 2025**

(54) **HOSE**

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(**) Term: **15 Years**

(21) Appl. No.: **29/803,956**

(22) Filed: **Aug. 17, 2021**

(30) **Foreign Application Priority Data**

Feb. 19, 2021 (JP) 2021-003524 D

(51) **LOC (15) Cl.** **23-01**

(52) **U.S. Cl.**
USPC **D23/266**

(58) **Field of Classification Search**
USPC D23/213, 223, 228, 229, 233, 245, 249,
D23/259–269, 365, 386, 387; D8/382,
D8/395; D10/109.1

(Continued)

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,870,619 A * 1/1959 Greczin F16L 11/085
138/123

3,169,552 A * 2/1965 Fawick F16L 11/081
138/133

(Continued)

FOREIGN PATENT DOCUMENTS

ID A00201603170 10/2016

ID A00202001454 5/2020

(Continued)

OTHER PUBLICATIONS

Official Action from the Japan Patent Office in counterpart Japanese Design Patent Application No. 2021-003524, issued on Sep. 7, 2021 (with English translation).

(Continued)

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Assistant Examiner — David Obrien

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(57) **CLAIM**

The ornamental design for a hose as shown and described.

DESCRIPTION

FIG. 1 is a front view of a hose, in accordance with an embodiment of the design;

FIG. 2 is a rear view thereof, in accordance with the embodiment of the design;

FIG. 3 is a top view thereof, in accordance with the embodiment of the design;

FIG. 4 is a bottom view thereof, in accordance with the embodiment of the design;

FIG. 5 is a left side view thereof, in accordance with the embodiment of the design;

FIG. 6 is an enlarged view of the left side thereof, in accordance with the embodiment of the design;

FIG. 7 is a right side view thereof, in accordance with the embodiment of the design;

FIG. 8 is an enlarged view of the right side thereof, in accordance with the embodiment of the design;

FIG. 9 is a first perspective view of the front, top, and right side thereof, in accordance with the embodiment of the design;

FIG. 10 is a second perspective view of the front, top, and right side thereof, in accordance with the embodiment of the design;

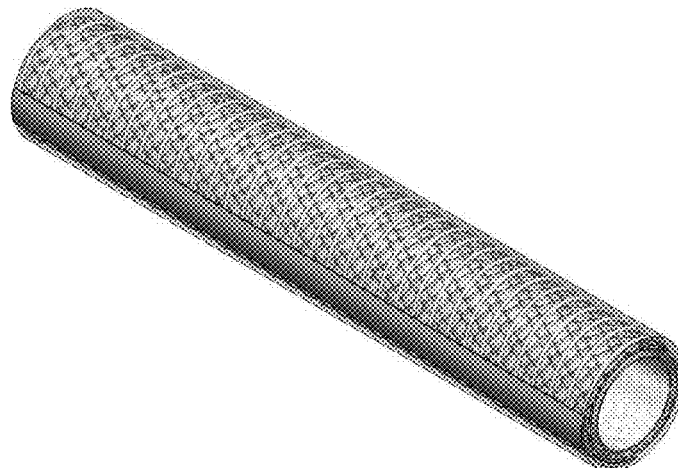
FIG. 11 is a first cross-sectional view thereof taken along section line 11-11 of FIG. 8; and,

FIG. 12 is a second cross-sectional view thereof taken along section line 12-12 of FIG. 6.

The body of the hose is transparent or translucent, except for the spiral and mesh-like reinforcements embedded inside the body of the hose and the single gray linear pattern that appears in the front view.

The shading on the entire surface of each figure is for specifying the shape of the three-dimensional surface of the hose.

(Continued)



The broken lines in the figures indicate portions of the hose that form no part of the claimed design.

This patent application contains at least one drawing executed in grayscale or color and is being filed by EFS.

1 Claim, 4 Drawing Sheets

(58) Field of Classification Search

CPC F16L 1/00; F16L 1/036; F16L 9/00; F16L 9/02; F16L 9/006; F16L 9/042; F16L 11/00; F16L 11/02; F16L 11/04; F16L 11/10; F16L 11/12; F16L 11/20; F16L 11/22; F16L 11/081; F16L 11/085; F16L 11/088; F16L 11/122; F16L 13/00; F16L 13/122; F16L 13/124; F16L 13/126; F16L 13/146; F16L 15/00; F16L 15/006; F16L 21/00; F16L 21/022; F16L 21/08; F16L 27/0857; A61M 39/00; A61M 39/223; A62B 3/00; A62B 3/005; A62B 5/00; A62C 33/00; A62C 33/04; A62C 33/06; A62C 35/68; G09F 3/04; G09F 3/205; E04H 12/10; G02B 27/0006; F02M 35/10019; B29C 57/04; E03C 1/06; B29D 23/001; B32B 1/08; D04B 1/225; D04B 39/04; D04B 21/205

See application file for complete search history.

(56) References Cited

U.S. PATENT DOCUMENTS

3,223,760 A * 12/1965 Roberts B29D 23/001
156/143
3,529,633 A * 9/1970 Vaillancourt F16L 11/12
604/523
D499,465 S * 12/2004 Paul, III D23/266
D642,245 S * 7/2011 Mezzalira D23/266
D642,246 S * 7/2011 Mezzalira D23/266
D671,196 S * 11/2012 Montalvo D23/266

D886,251 S * 6/2020 Mezzalira D23/266
11,034,109 B2 * 6/2021 Caneva B32B 1/08
D935,575 S * 11/2021 Loprevite D23/266
2009/0205736 A1 * 8/2009 Mezzalira F16L 11/085
138/125
2023/0175614 A1 * 6/2023 Schwarz F16L 11/081
138/129

FOREIGN PATENT DOCUMENTS

JP	1288926	12/2006
JP	1475577	7/2013

OTHER PUBLICATIONS

Official Action from the Japan Patent Office in counterpart Japanese Design Patent Application No. 2021-003525, issued on Sep. 7, 2021 (with English translation).

Nikkan Kogyo Shimbun, Fluorine hose / Toyox Co., Ltd., published Apr. 12, 2018, accessible at https://www.shinseihinjoho.jp/usr/detail_products.php?code=1180402807, "Hose" design published in (Public Document No. HJ300001908), 1 page.

Office Action, Japan Patent Office, in counterpart Japanese Design Application No. 2021-003524, issued on Mar. 8, 2022 (with English translation).

Office Action, Japan Patent Office, in counterpart Japanese Design Application No. 2021-003525, issued on Mar. 8, 2022 (with English translation).

Office Action, Indonesia Patent Office, in counterpart Indonesian Design Application No. A00202102330, issued on Mar. 10, 2022 (with English translation).

Office Action, Indonesia Patent Office, in counterpart Indonesian Design Application No. A00202102331, issued on Mar. 29, 2022 (with English translation).

Office Action, Thai Patent Office, in counterpart Thai Design Patent Application No. 2102003538, issued on Jan. 4, 2022 (with English translation).

Office Action, Thai Patent Office, in counterpart Thai Design Patent Application No. 2102003539, issued on Jan. 4, 2022 (with English translation).

* cited by examiner

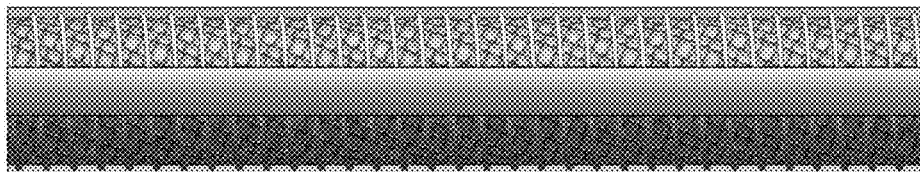


FIG. 1

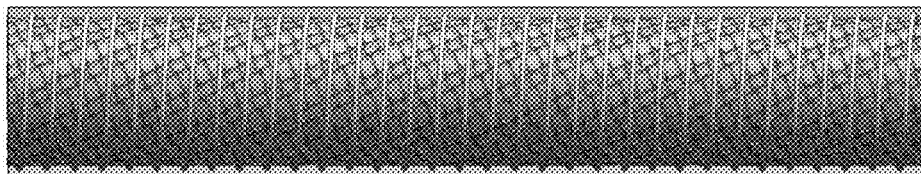


FIG. 2

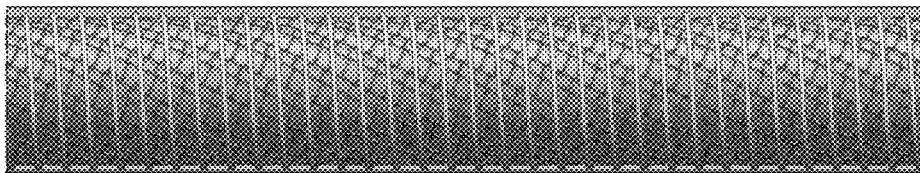


FIG. 3

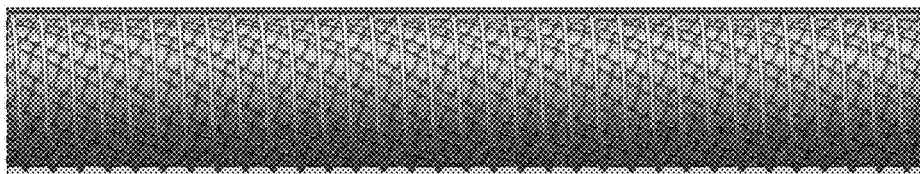


FIG. 4

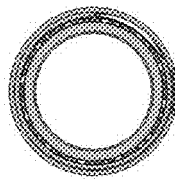


FIG. 5

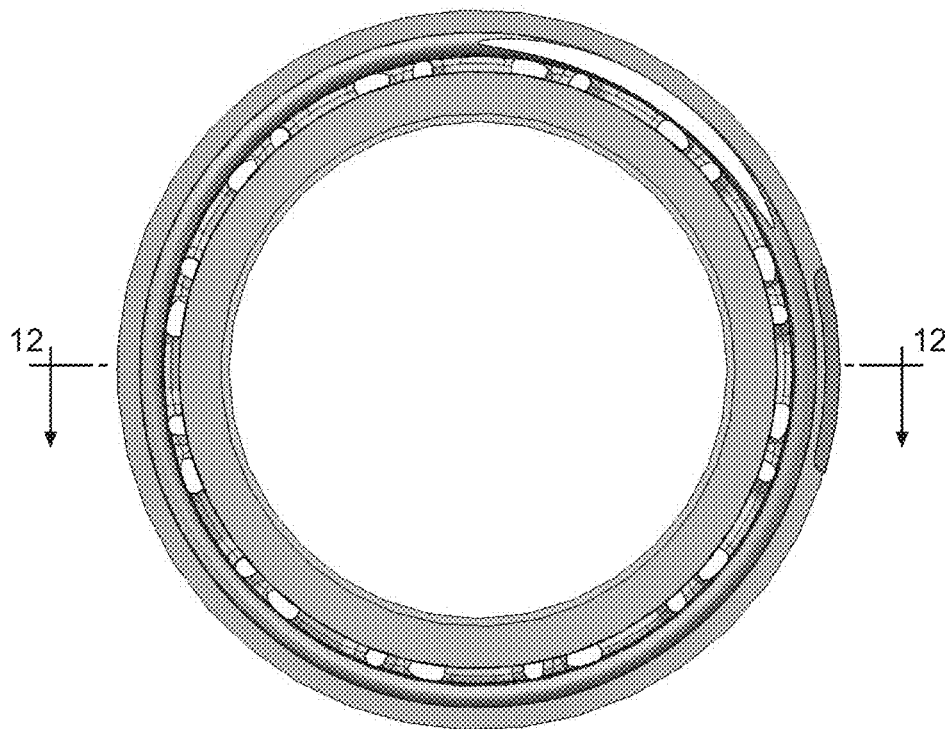


FIG. 6

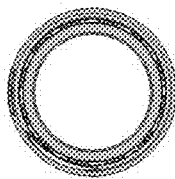


FIG. 7

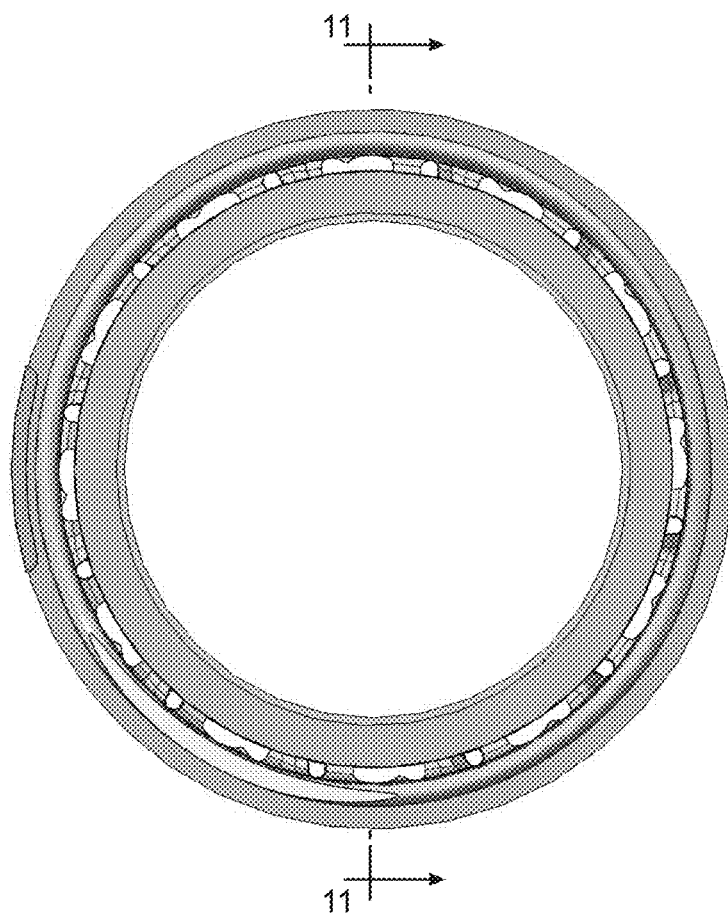


FIG. 8

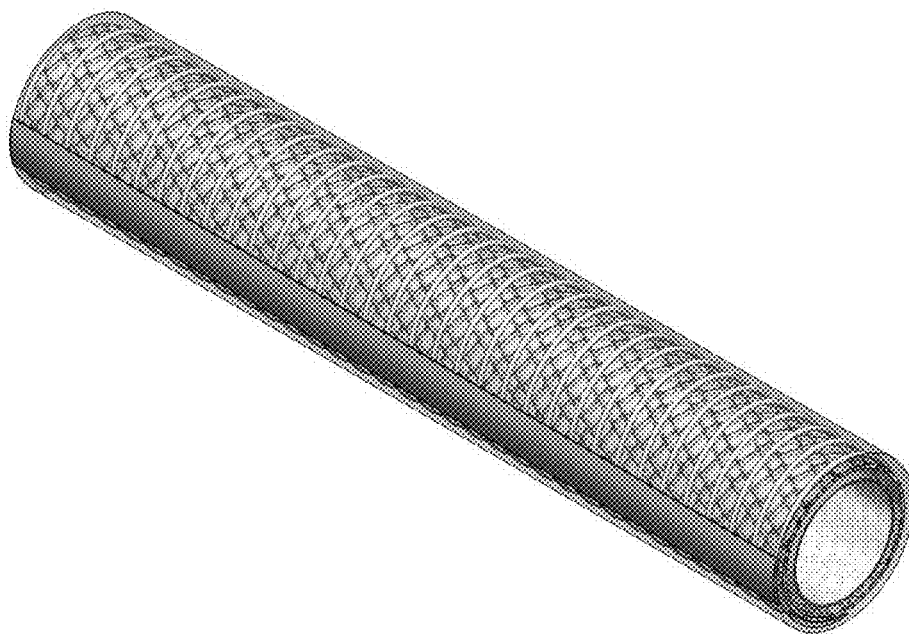


FIG. 9

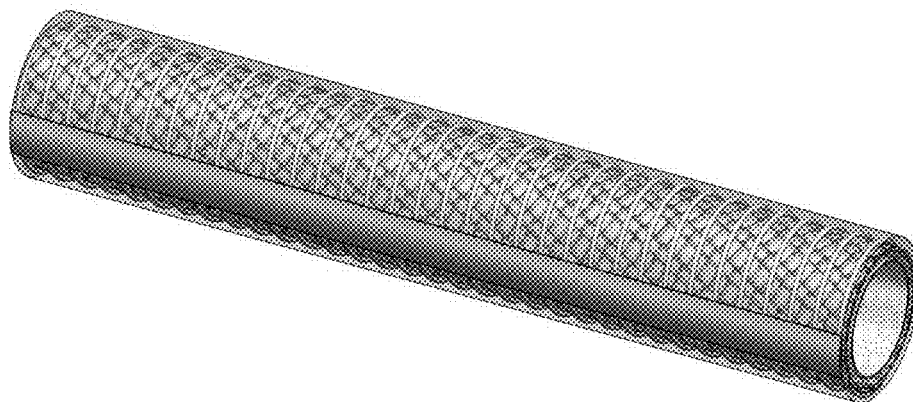


FIG. 10

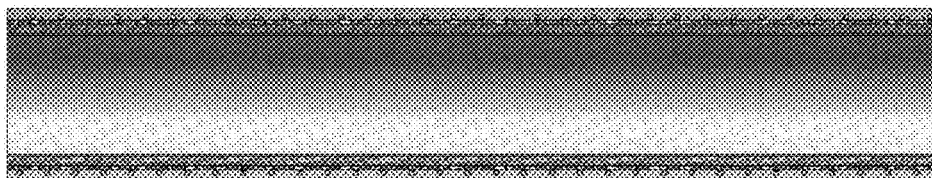


FIG. 11

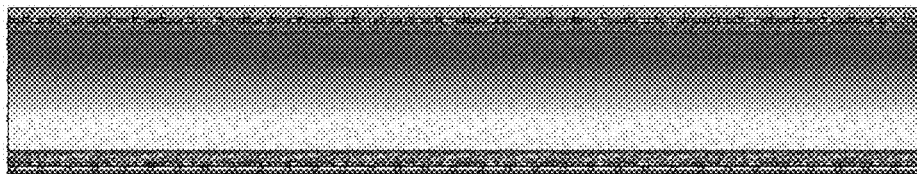


FIG. 12