



(12) **United States Design Patent**  
**Xu**

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(54) **SUBMERSIBLE PUMP**

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

(21) Appl. No.: **29/960,474**

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**Related U.S. Application Data**

(63) Continuation-in-part of application No. 29/955,911,  
filed on Aug. 5, 2024, now Pat. No. Des. 1,050,191.

(51) **LOC (15) Cl.** ..... **15-02**

(52) **U.S. Cl.**  
USPC ..... **D15/7**

(58) **Field of Classification Search**

USPC ..... D23/206, 213, 214, 225, 231, 232, 387,  
D23/421; D15/7-9.1, 21, 199  
CPC ..... F04D 15/0088; F04D 15/0066; F04D  
15/0245; F04D 3/00; F04D 3/005; F04D  
3/02; F04D 13/06; F04D 29/041; F04D  
29/22; F04D 29/60; F04D 29/605; F04B  
2203/0208; F04B 17/03; F04B 17/046;  
F04B 17/048; F04B 35/04; F04B 43/04;  
F04B 43/043

See application file for complete search history.

(56) **References Cited**

**U.S. PATENT DOCUMENTS**

D395,317	S	*	6/1998	Karlsson	.....	D15/7
D678,338	S	*	3/2013	O'Shea	.....	D15/7
D809,021	S	*	1/2018	Lüke	.....	D15/7
D893,552	S	*	8/2020	Mayleben	.....	D15/7
D946,627	S	*	3/2022	Wang	.....	D15/7
D948,578	S	*	4/2022	Varini	.....	D15/7
D1,050,191	S	*	11/2024	Xu	.....	D15/7
D1,058,609	S	*	1/2025	Xu	.....	D15/7
2013/0089420	A1	*	4/2013	Henning	.....	F04D 29/126 415/230

\* cited by examiner

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(57) **CLAIM**

The ornamental design for a submersible pump, as shown  
and described.

**DESCRIPTION**

FIG. 1 is a front, right and top perspective view of a first  
embodiment of a submersible pump, showing my new  
design;

FIG. 2 is a rear, left and bottom perspective view thereof;

FIG. 3 is a front view thereof;

FIG. 4 is a rear view thereof;

FIG. 5 is a left side view thereof;

FIG. 6 is a right side view thereof;

FIG. 7 is a top plan view thereof; and,

FIG. 8 is a bottom plan view thereof.

The broken lines shown in the drawings illustrate portions of  
the submersible pump that form no part of the claimed  
design.

**1 Claim, 8 Drawing Sheets**

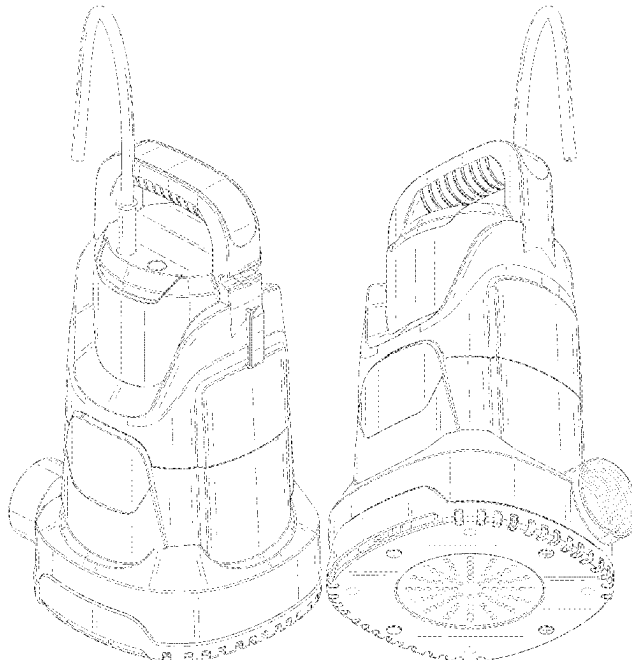




FIG. 1

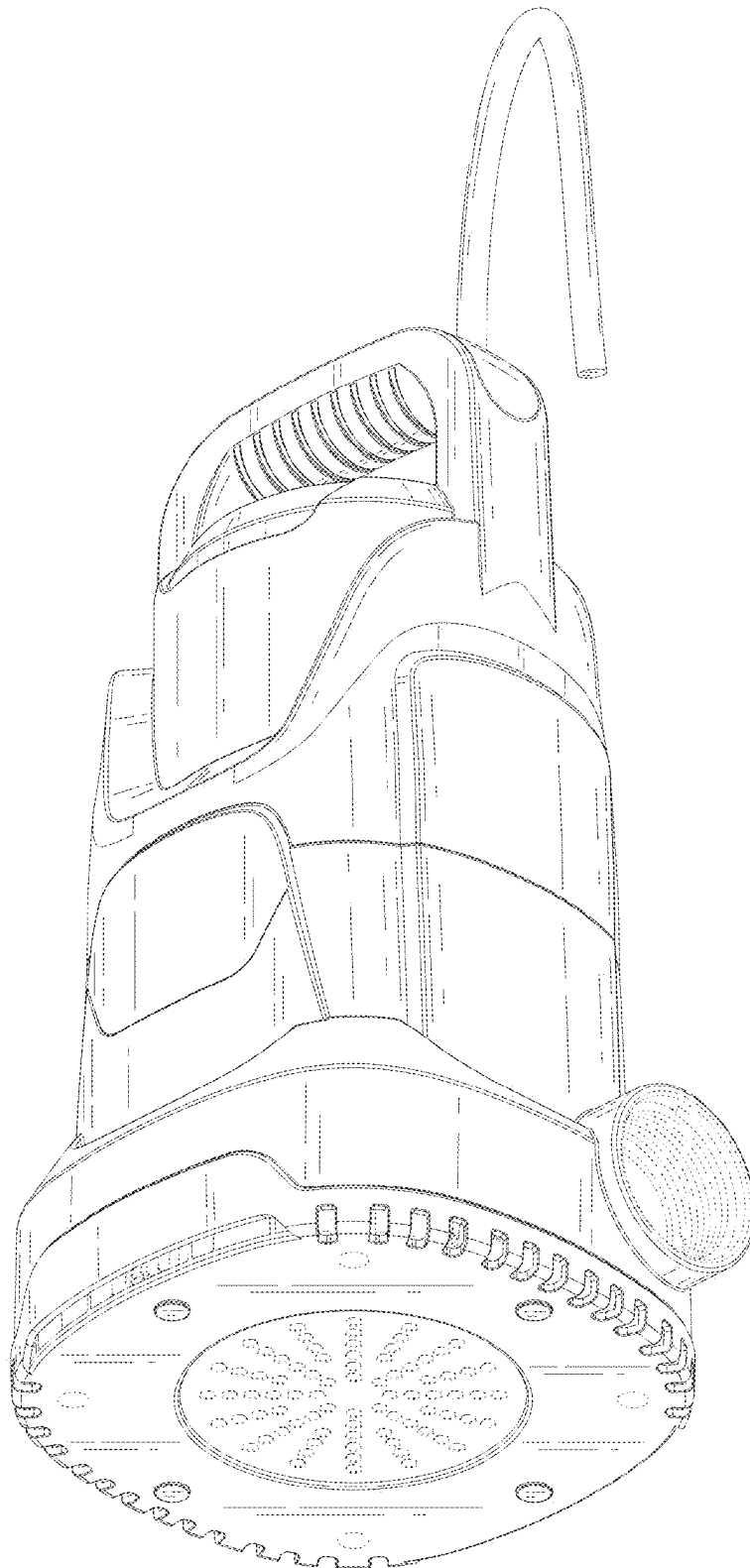


FIG. 2

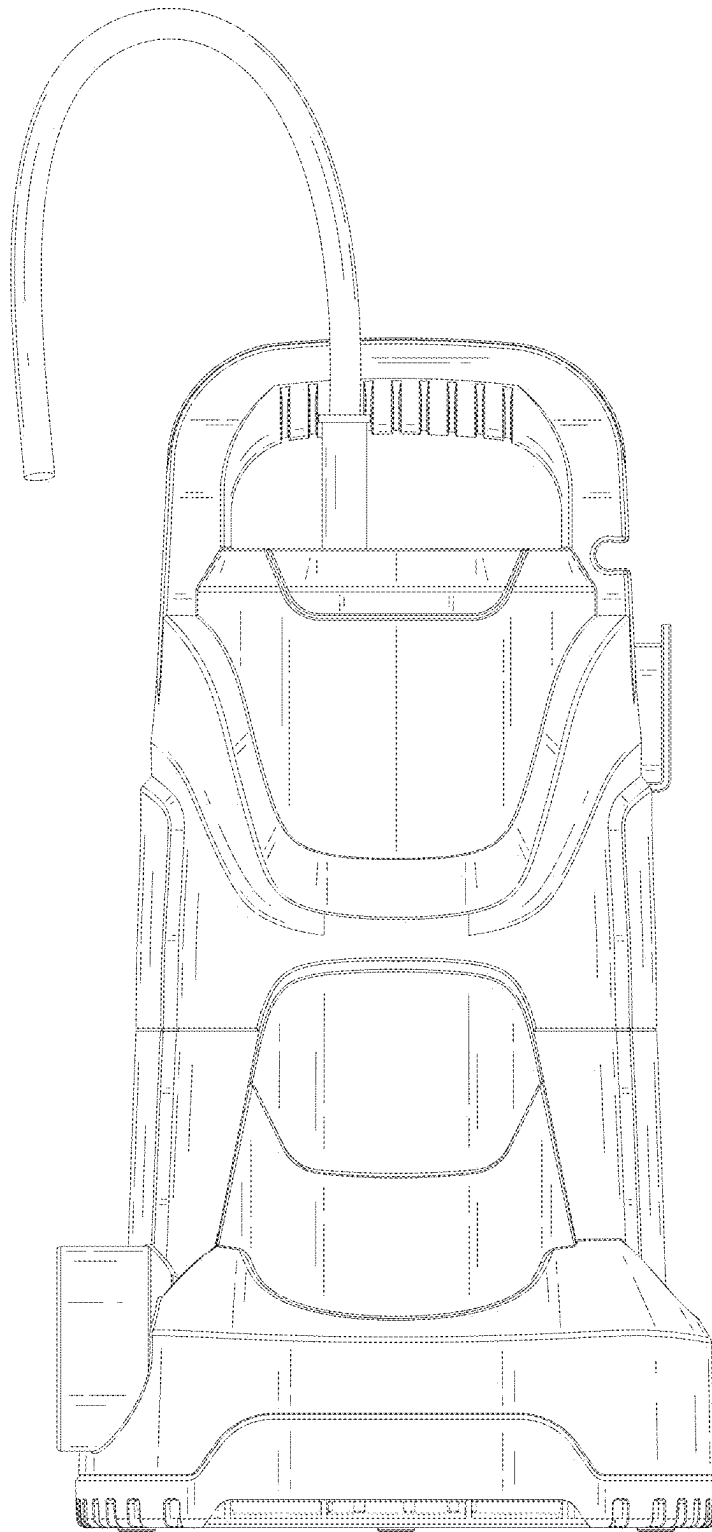


FIG. 3

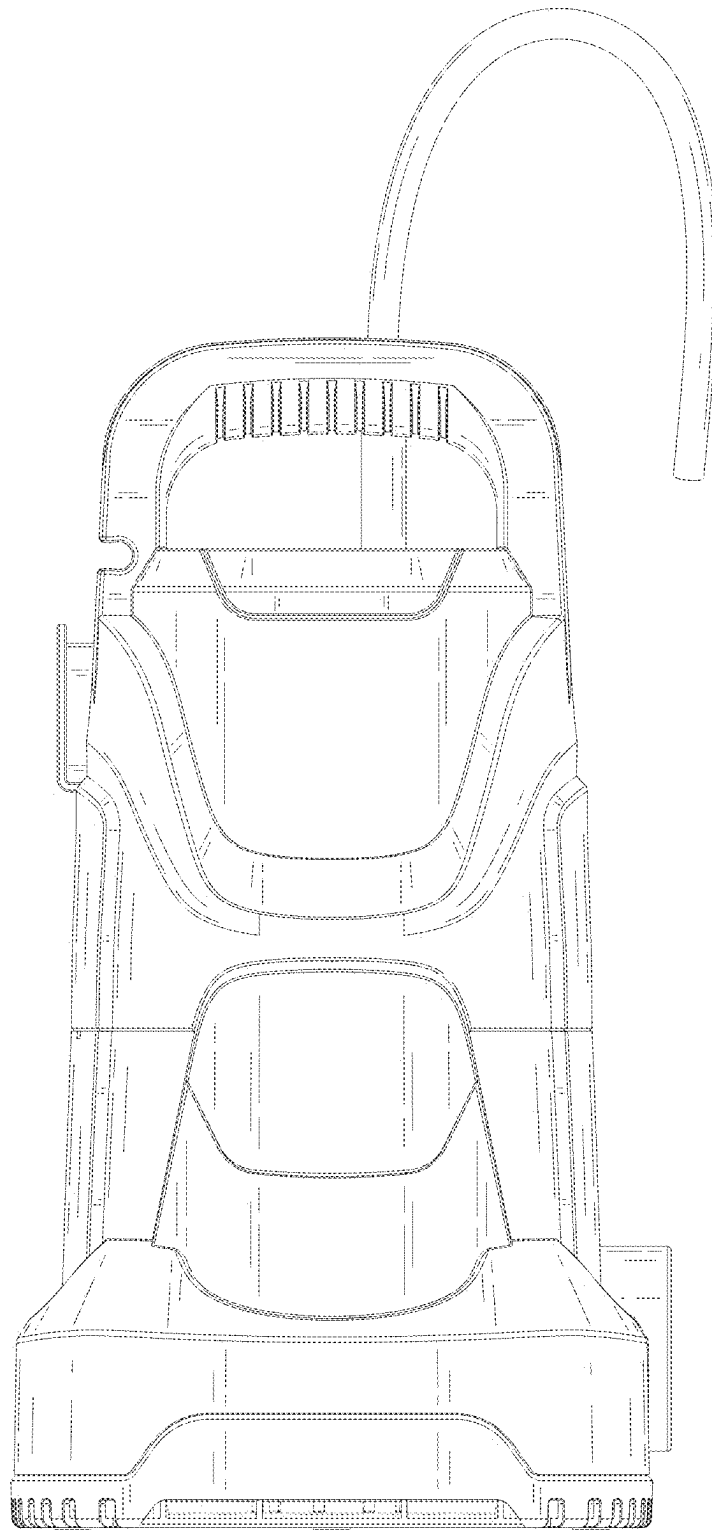


FIG. 4

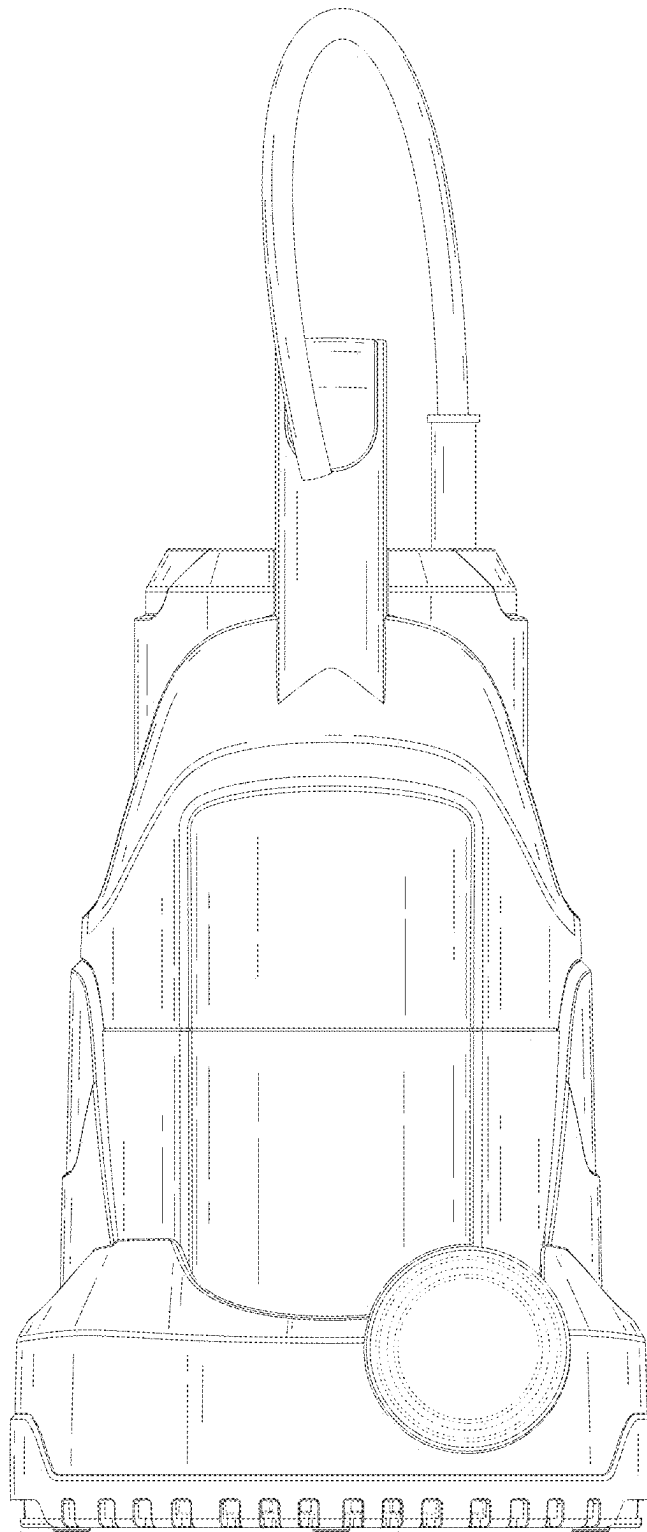


FIG. 5

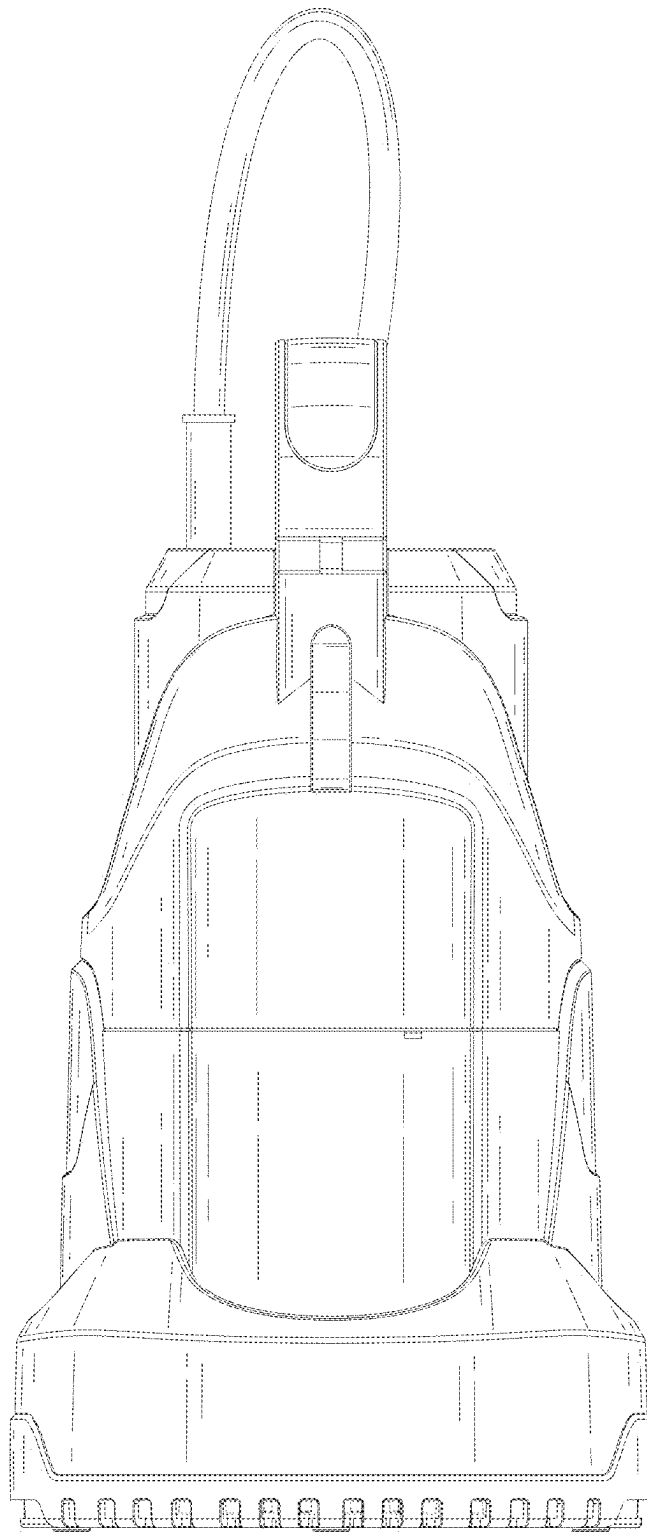


FIG. 6

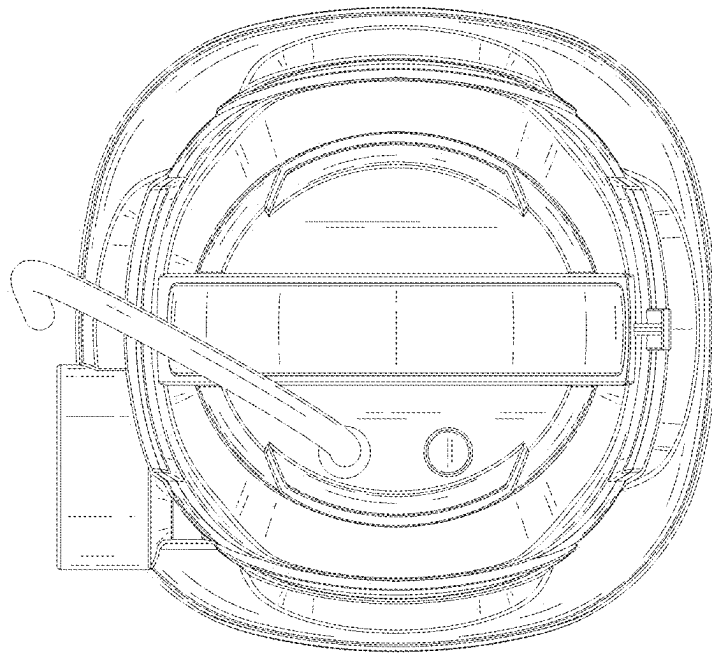


FIG. 7



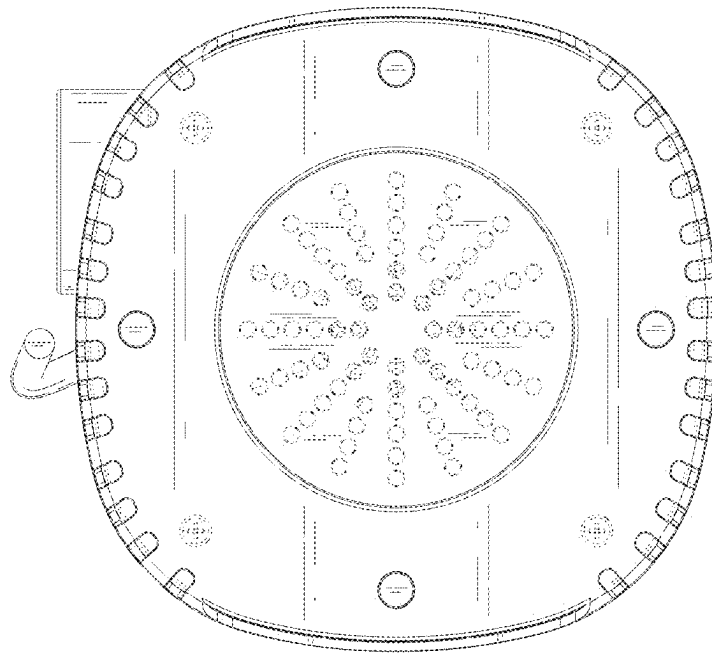


FIG. 8