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(12) **United States Design Patent**  
**Gasman et al.**

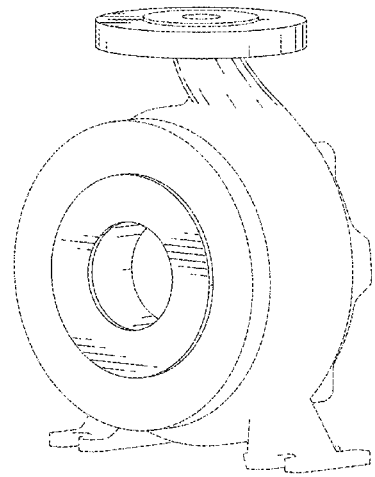
(10) **Patent No.:** **US D926,820 S**  
(45) **Date of Patent:** **\*\* Aug. 3, 2021**

- (54) **PORTION OF VOLUTE CASING FOR A PUMP**
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- (72) Inventors: **Teemu Gasman**, Kotka (FI); **Matti Koivikko**, Kotka (FI); **Sami Virtanen**, Kotka (FI)
- (73) Assignee: **SULZER MANAGEMENT AG**, Winterthur (CH)
- (\*\*) Term: **15 Years**
- (21) Appl. No.: **29/551,965**
- (22) Filed: **Jan. 19, 2016**
- (30) **Foreign Application Priority Data**  
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- (51) **LOC (13) Cl.** ..... **15-02**
- (52) **U.S. Cl.**  
 USPC ..... **D15/7**
- (58) **Field of Classification Search**  
 USPC ..... D25/125; 415/200, 182.1; 156/153, 160; 427/299; D15/7-9; D23/231, 232, 225  
 CPC ..... B29C 64/20; B29C 70/48; B29C 70/865; Y10T 156/1064; F21S 88/088; F21V 21/116; G09F 2013/0431  
 See application file for complete search history.

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Primary Examiner — Samantha Q Lawrence  
(74) Attorney, Agent, or Firm — Global IP Counselors, LLP

(57) CLAIM

The ornamental design for a portion of a pump having a volute casing, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of a portion of a volute casing for a pump in accordance with our new design;  
 FIG. 2 is a first side elevational view of the volute casing illustrated in FIG. 1;  
 FIG. 3 is a second side elevational view of the volute casing illustrated in FIG. 1;  
 FIG. 4 is a first end elevational view of the volute casing illustrated in FIG. 1;  
 FIG. 5 is a second end elevational view of the volute casing illustrated in FIG. 1;  
 FIG. 6 is a bottom plan view of the volute casing illustrated in FIG. 1;  
 FIG. 7 is a top plan view of the volute casing illustrated in FIG. 1;  
 FIG. 8 is a perspective view of a portion of a volute casing for a pump in accordance with our new design;  
 FIG. 9 is a first side elevational view of the volute casing illustrated in FIG. 8;  
 FIG. 10 is a second side elevational view of the volute casing illustrated in FIG. 8;

FIG. 11 is a first end elevational view of the volute casing illustrated in FIG. 8;  
 FIG. 12 is a second end elevational view of the volute casing illustrated in FIG. 8;  
 FIG. 13 is a bottom plan view of the volute casing illustrated in FIG. 8;  
 FIG. 14 is a top plan view of the volute casing illustrated in FIG. 8;  
 FIG. 15 is a perspective view of a portion of a volute casing for a pump in accordance with our new design;  
 FIG. 16 is a first side elevational view of the volute casing illustrated in FIG. 15;  
 FIG. 17 is a second side elevational view of the volute casing illustrated in FIG. 15;  
 FIG. 18 is a first end elevational view of the volute casing illustrated in FIG. 15;  
 FIG. 19 is a second end elevational view of the volute casing illustrated in FIG. 15;  
 FIG. 20 is a bottom plan view of the volute casing illustrated in FIG. 15;  
 FIG. 21 is a top plan view of the volute casing illustrated in FIG. 15;  
 FIG. 22 is a perspective view of a portion of a volute casing for a pump in accordance with our new design;  
 FIG. 23 is a first side elevational view of the volute casing illustrated in FIG. 22;  
 FIG. 24 is a second side elevational view of the volute casing illustrated in FIG. 22;  
 FIG. 25 is a first end elevational view of the volute casing illustrated in FIG. 22;  
 FIG. 26 is a second end elevational view of the volute casing illustrated in FIG. 22;  
 FIG. 27 is a bottom plan view of the volute casing illustrated in FIG. 22;  
 FIG. 28 is a top plan view of the volute casing illustrated in FIG. 22;  
 FIG. 29 is a perspective view of a portion of a volute casing for a pump in accordance with our new design;  
 FIG. 30 is a first side elevational view of the volute casing illustrated in FIG. 29;  
 FIG. 31 is a second side elevational view of the volute casing illustrated in FIG. 29;  
 FIG. 32 is a first end elevational view of the volute casing illustrated in FIG. 29;  
 FIG. 33 is a second end elevational view of the volute casing illustrated in FIG. 29;  
 FIG. 34 is a bottom plan view of the volute casing illustrated in FIG. 29;  
 FIG. 35 is a top plan view of the volute casing illustrated in FIG. 29;  
 FIG. 36 is a perspective view of a portion of a volute casing for a pump in accordance with our new design;  
 FIG. 37 is a first side elevational view of the volute casing illustrated in FIG. 36;  
 FIG. 38 is a second side elevational view of the volute casing illustrated in FIG. 36;  
 FIG. 39 is a first end elevational view of the volute casing illustrated in FIG. 36;  
 FIG. 40 is a second end elevational view of the volute casing illustrated in FIG. 36;  
 FIG. 41 is a bottom plan view of the volute casing illustrated in FIG. 36;  
 FIG. 42 is a top plan view of the volute casing illustrated in FIG. 36;



FIG. 93 is a first side elevational view of the volute casing illustrated in FIG. 92;

FIG. 94 is a second side elevational view of the volute casing illustrated in FIG. 92;

FIG. 95 is a first end elevational view of the volute casing illustrated in FIG. 92;

FIG. 96 is a second end elevational view of the volute casing illustrated in FIG. 92;

FIG. 97 is a bottom plan view of the volute casing illustrated in FIG. 92;

FIG. 98 is a top plan view of the volute casing illustrated in FIG. 92;

FIG. 99 is a perspective view of a portion of a volute casing for a pump in accordance with our new design;

FIG. 100 is a first side elevational view of the volute casing illustrated in FIG. 99;

FIG. 101 is a second side elevational view of the volute casing illustrated in FIG. 99;

FIG. 102 is a first end elevational view of the volute casing illustrated in FIG. 99;

FIG. 103 is a second end elevational view of the volute casing illustrated in FIG. 99;

FIG. 104 is a bottom plan view of the volute casing illustrated in FIG. 99; and,

FIG. 105 is a top plan view of the volute casing illustrated in FIG. 99.

The broken lines shown in the Figures illustrate portions of the portion of volute casing for a pump and form no part of the claimed design.

**1 Claim, 105 Drawing Sheets**

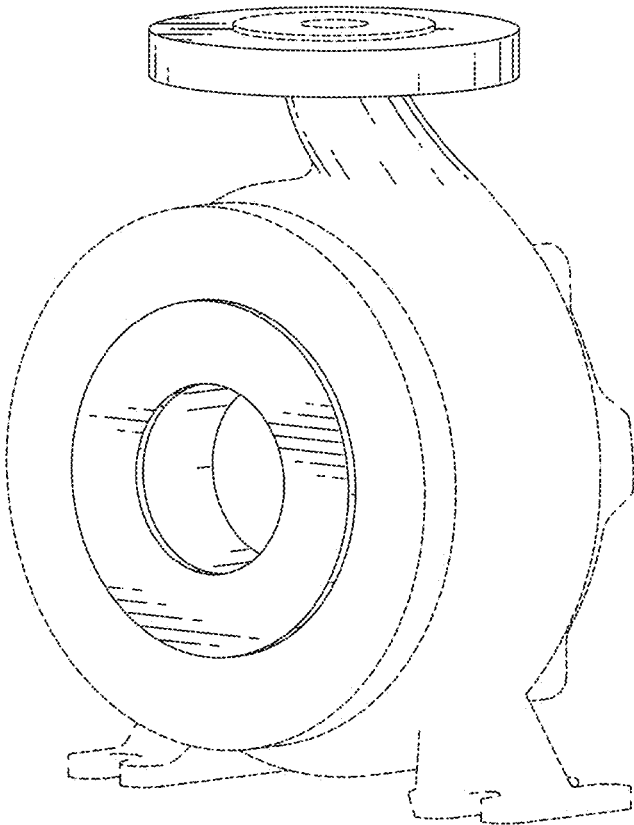


FIG. 1

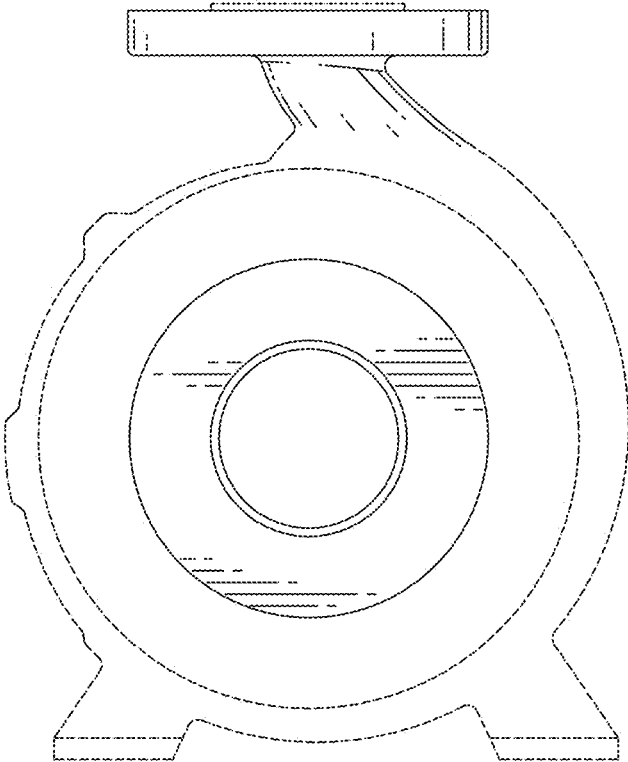


FIG. 2

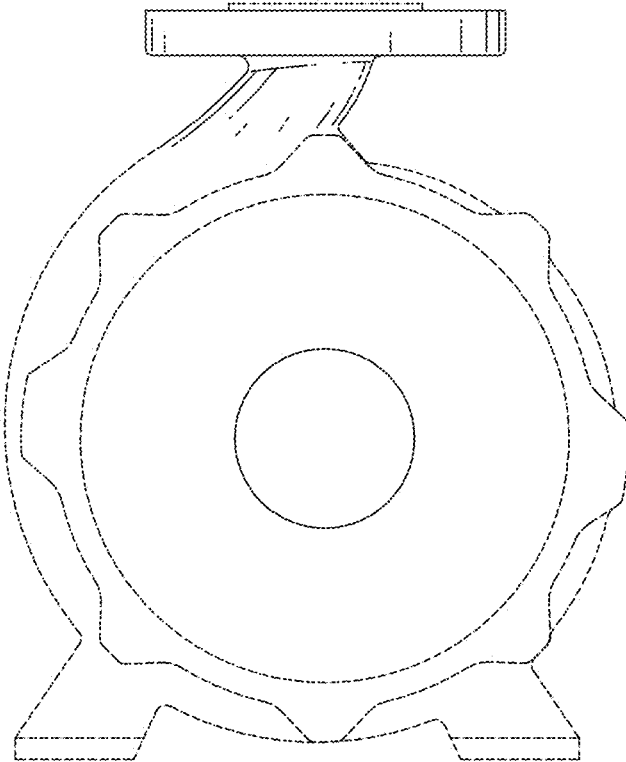


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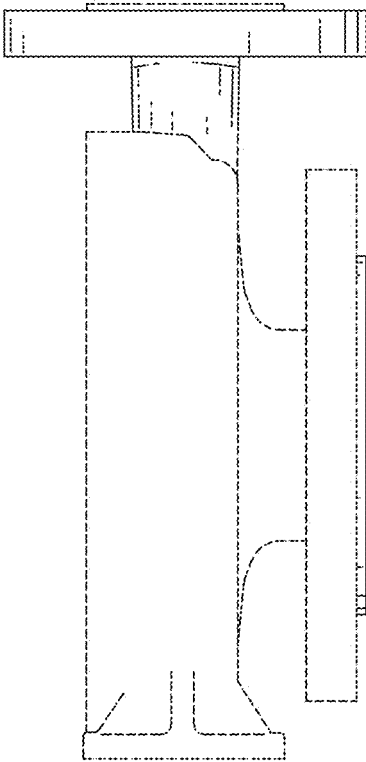


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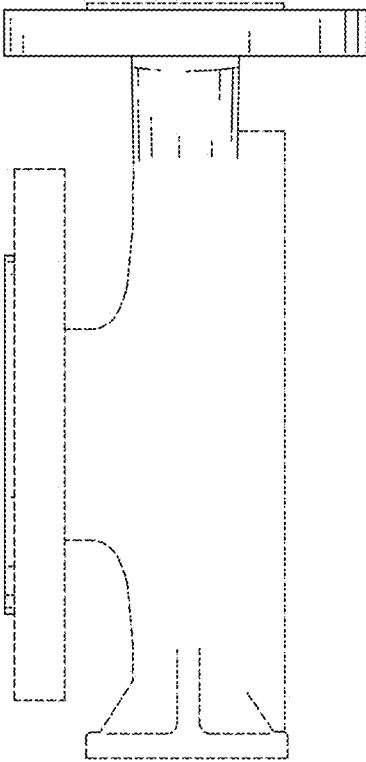


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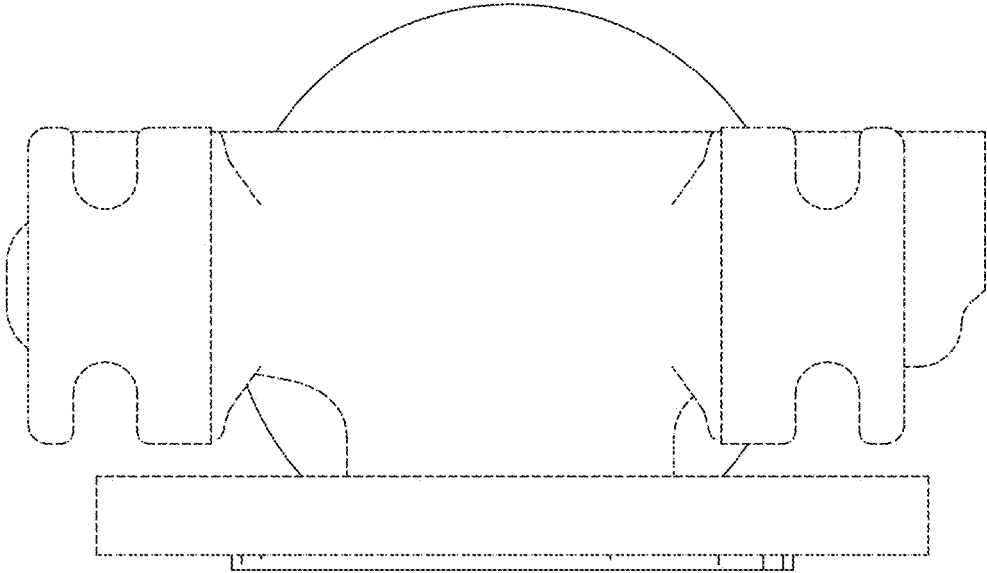


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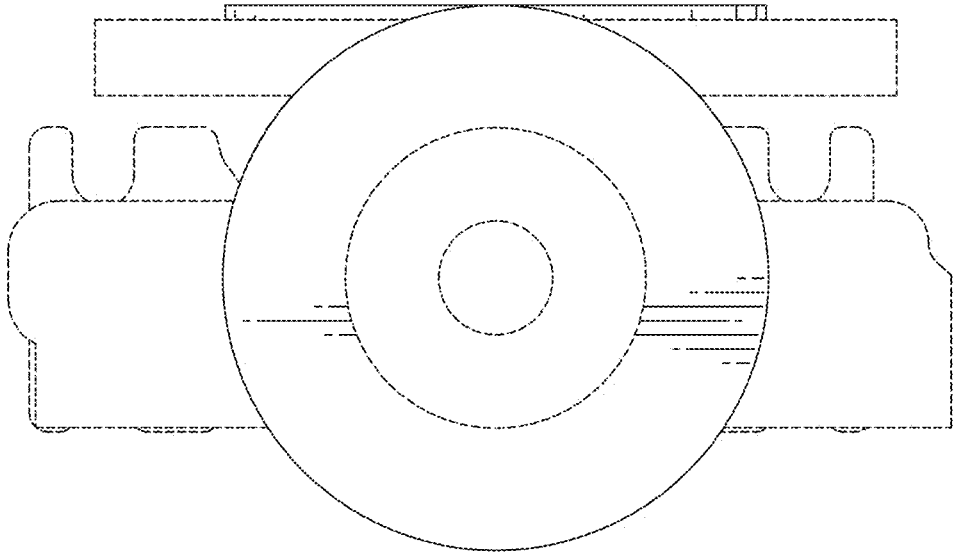


FIG. 7

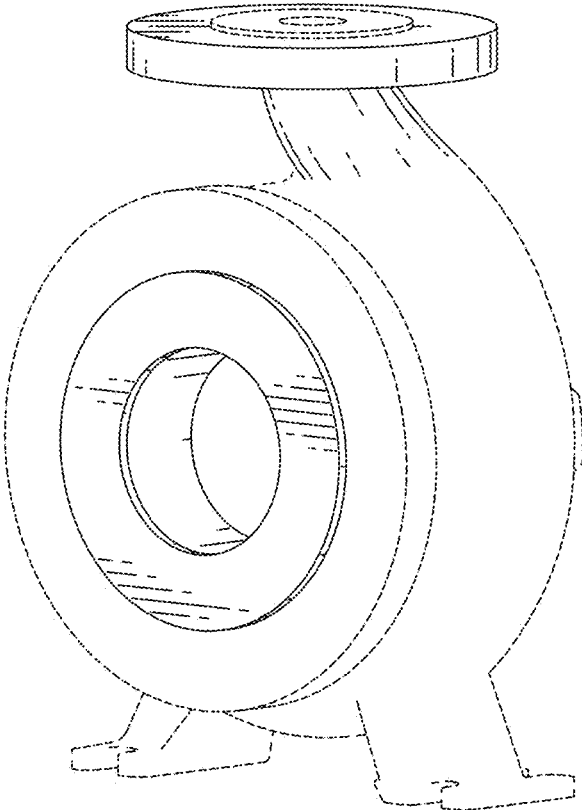


FIG. 8

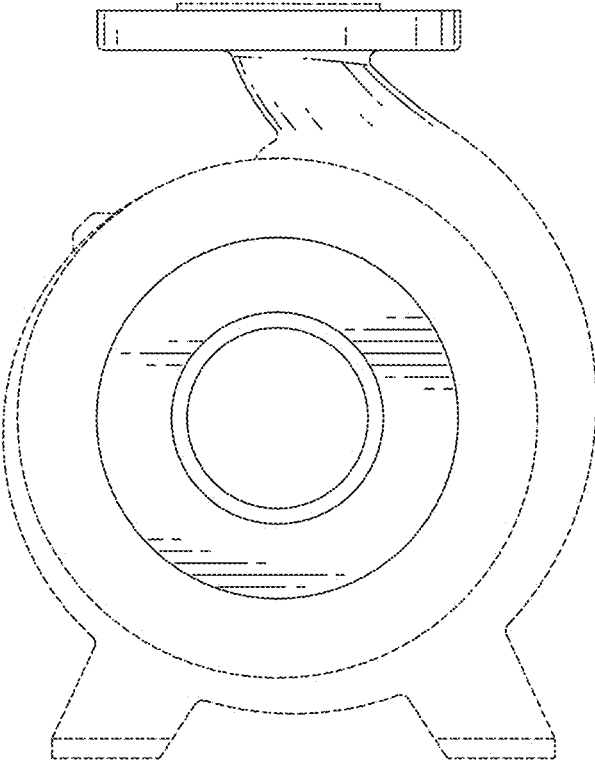


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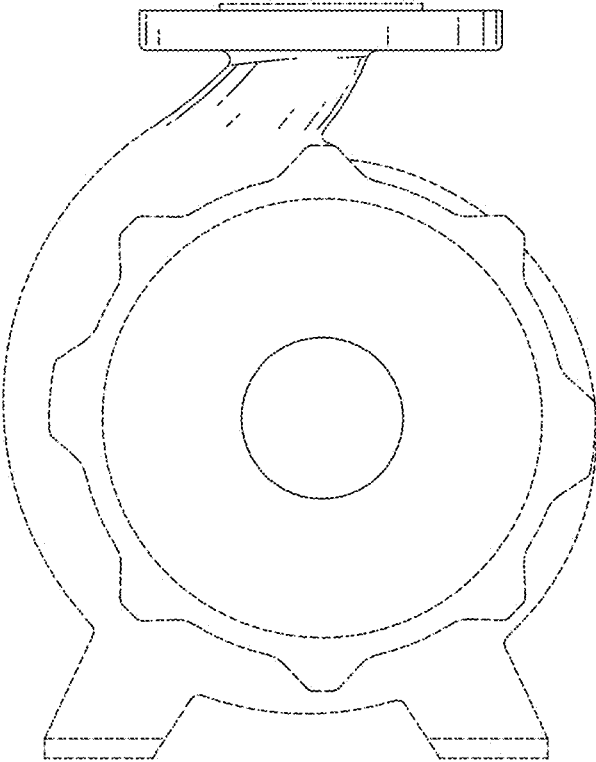


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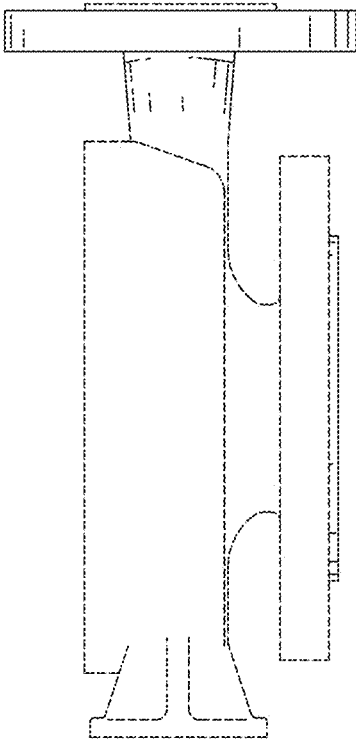


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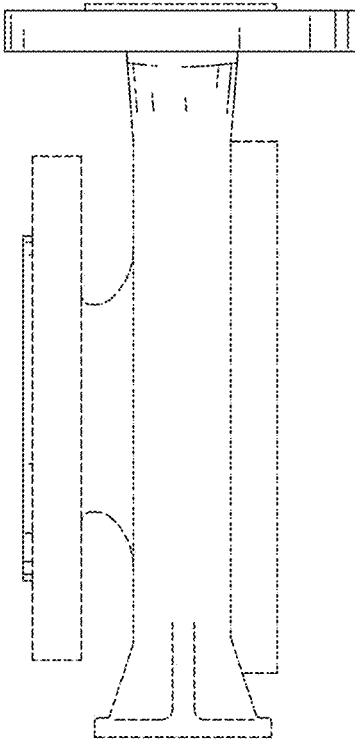


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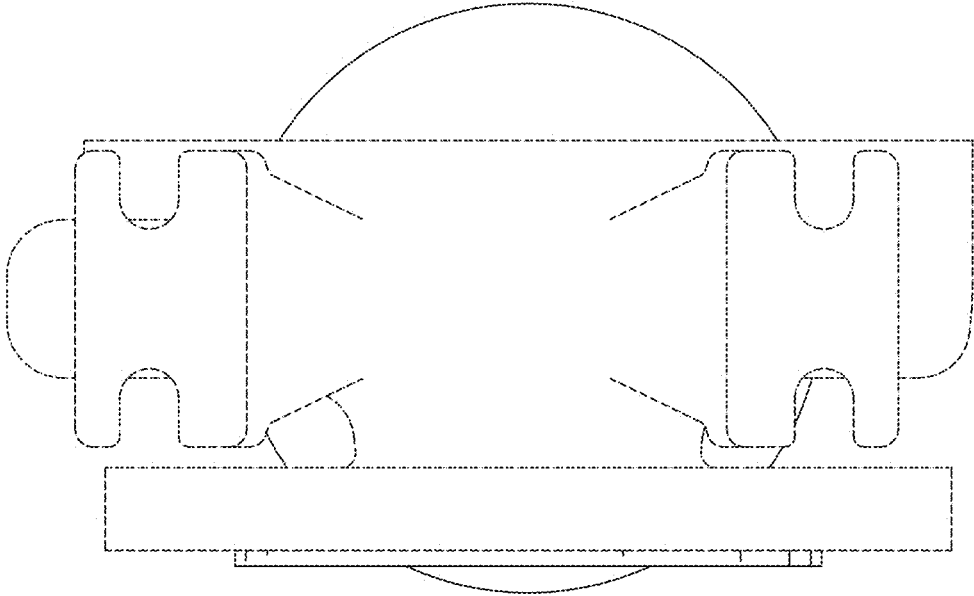


FIG. 13

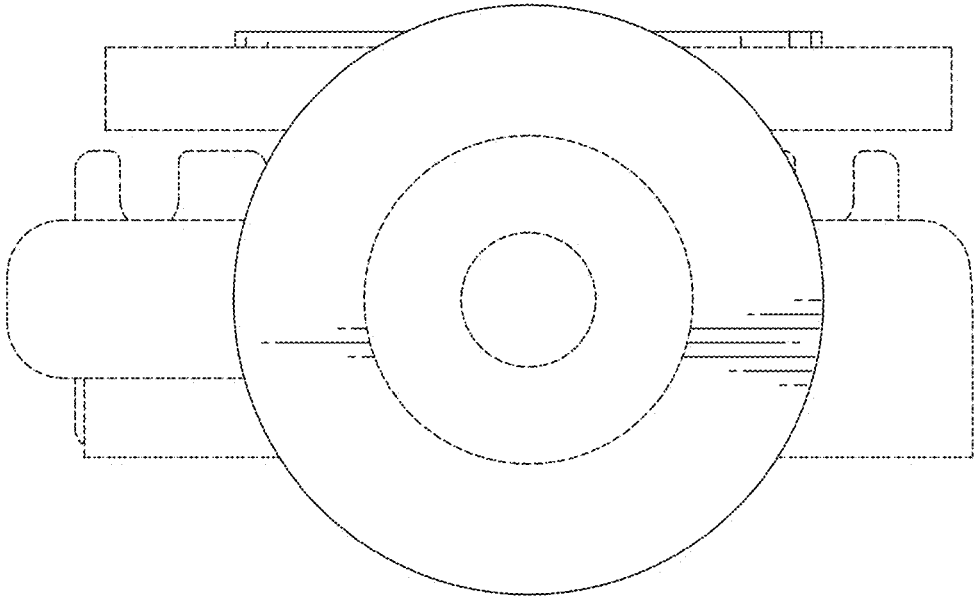


FIG. 14

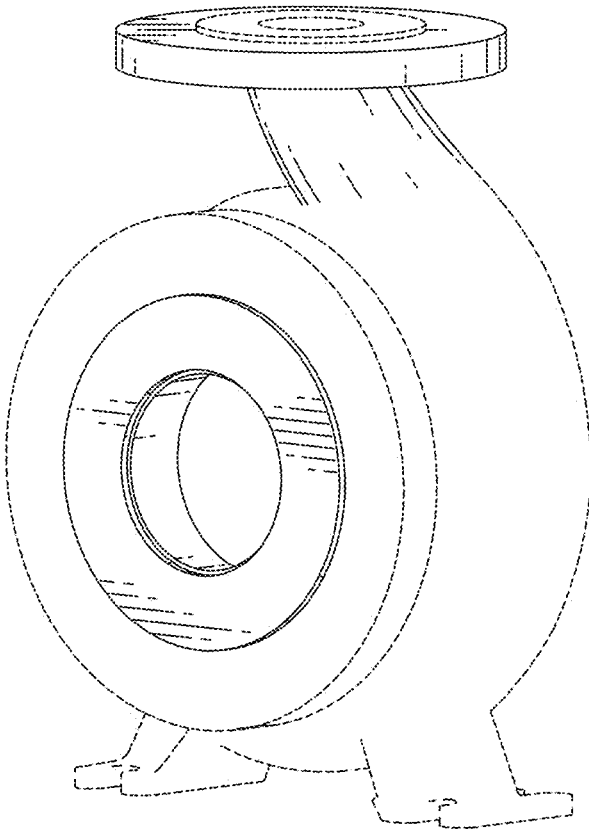


FIG. 15

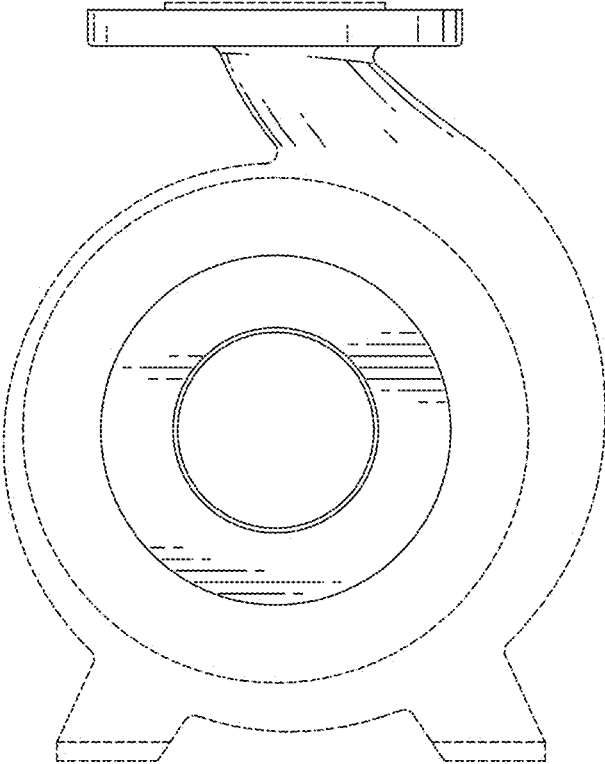


FIG. 16

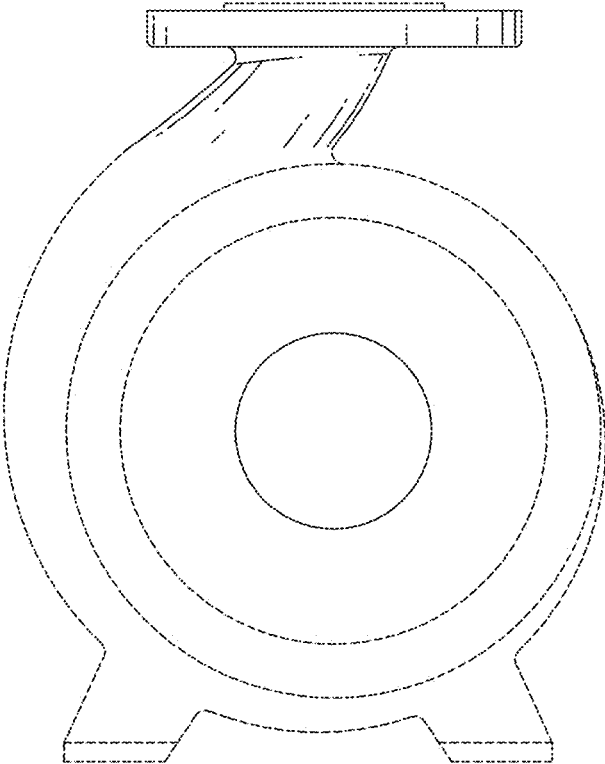


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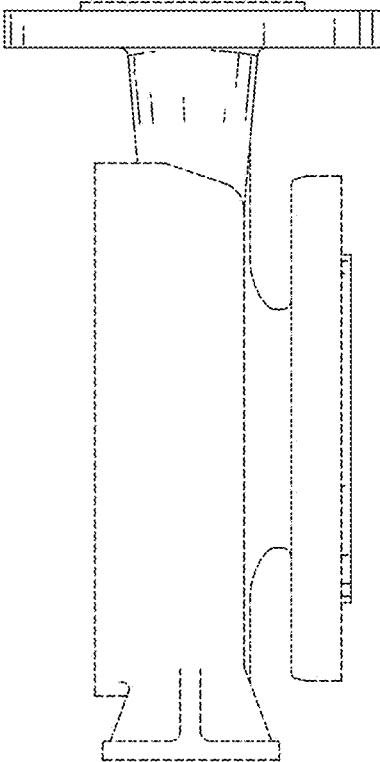


FIG. 18

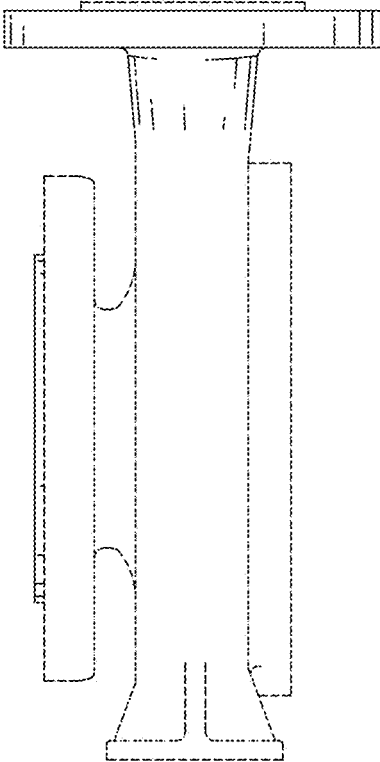


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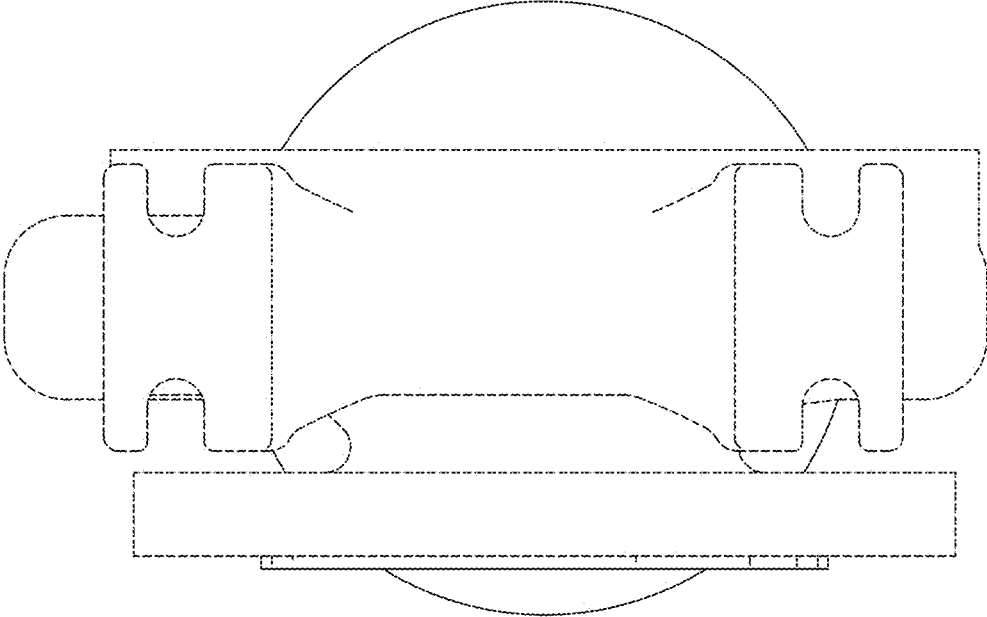


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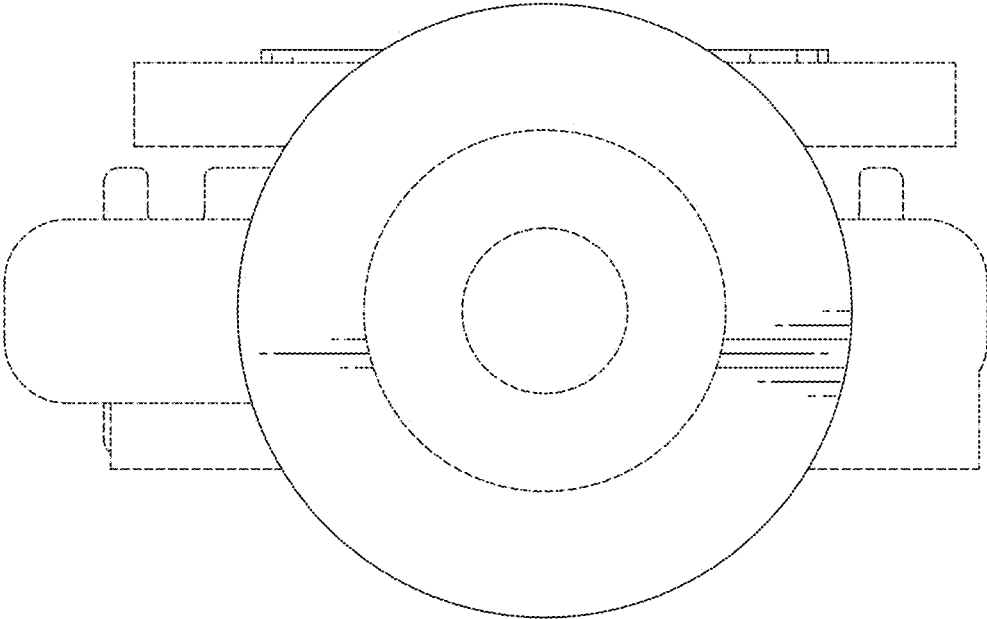


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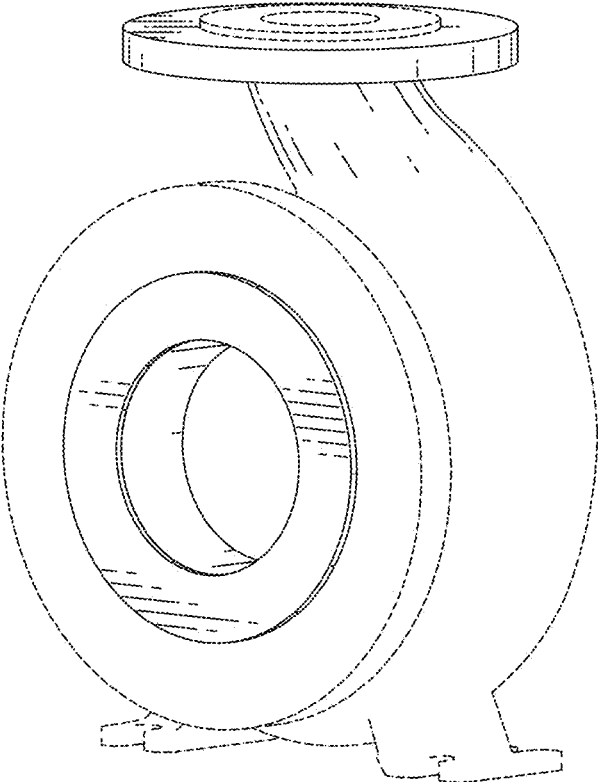


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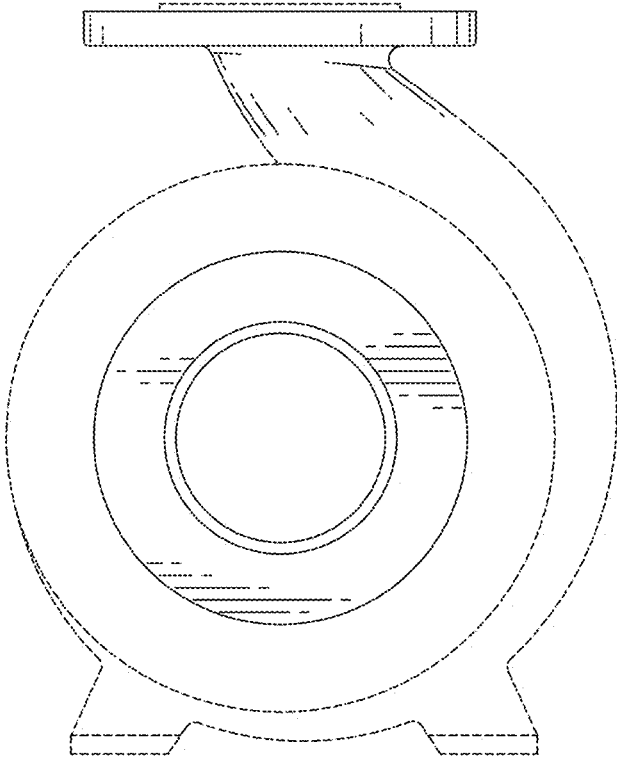


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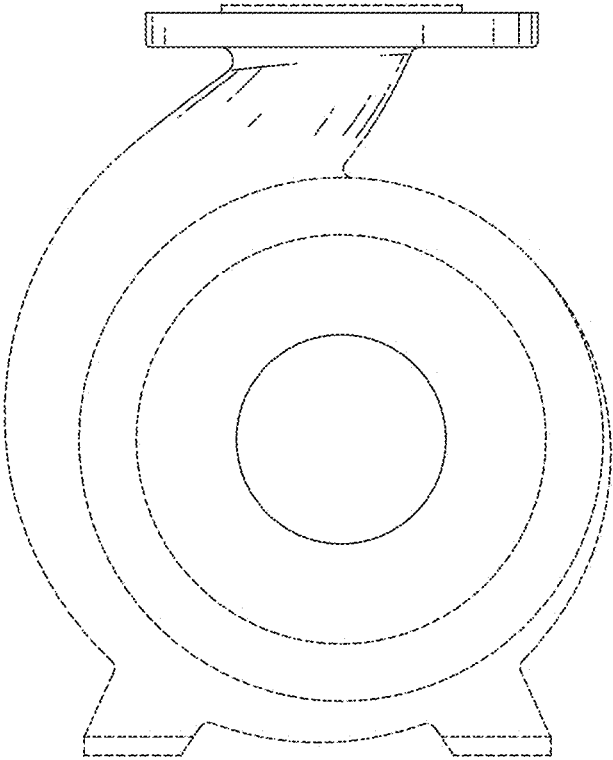


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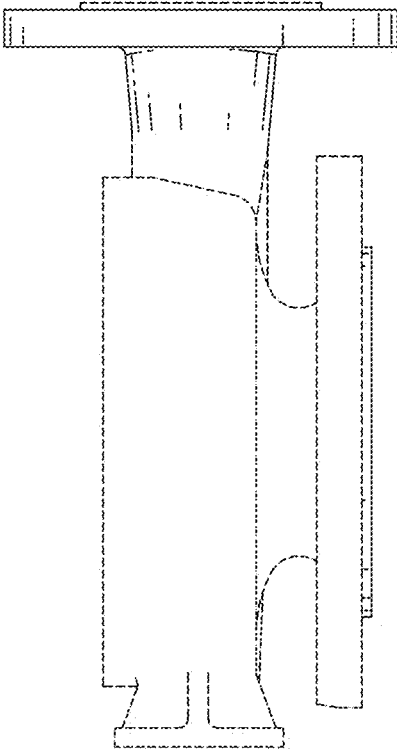


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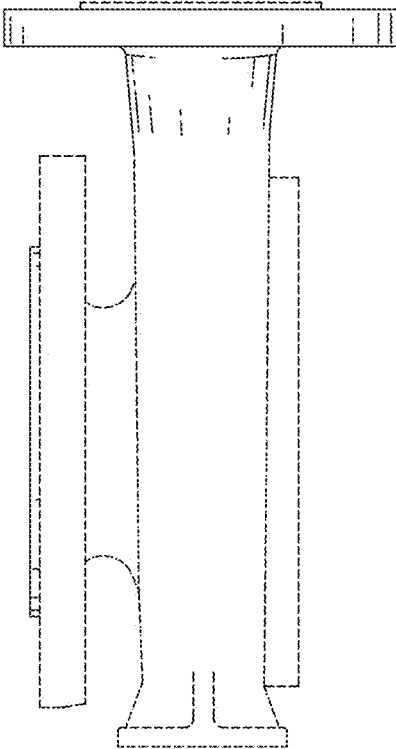


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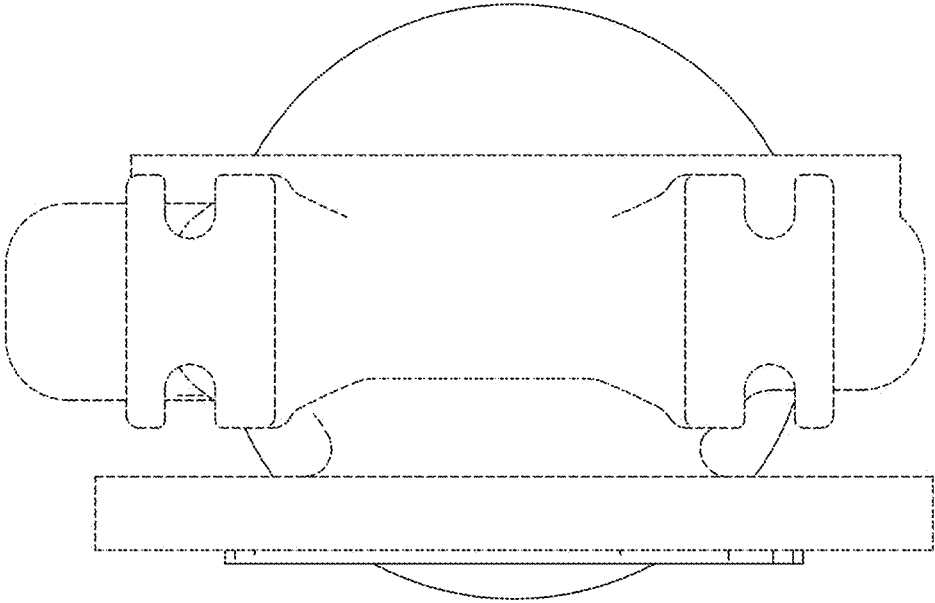


FIG. 27

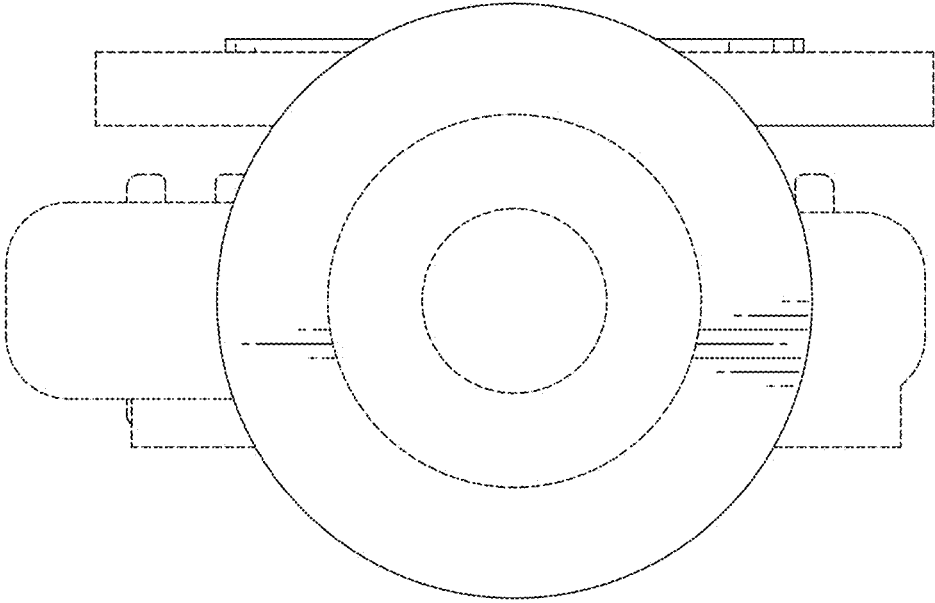


FIG. 28

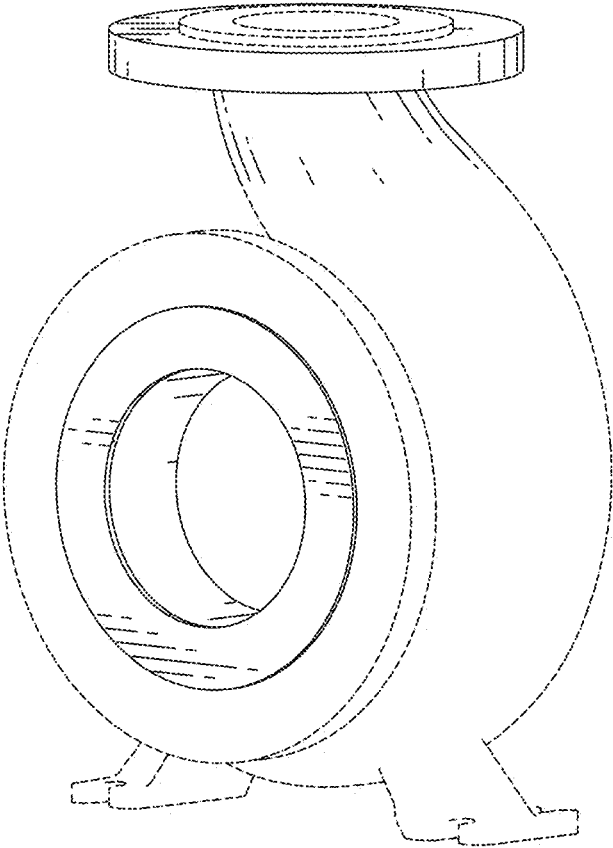


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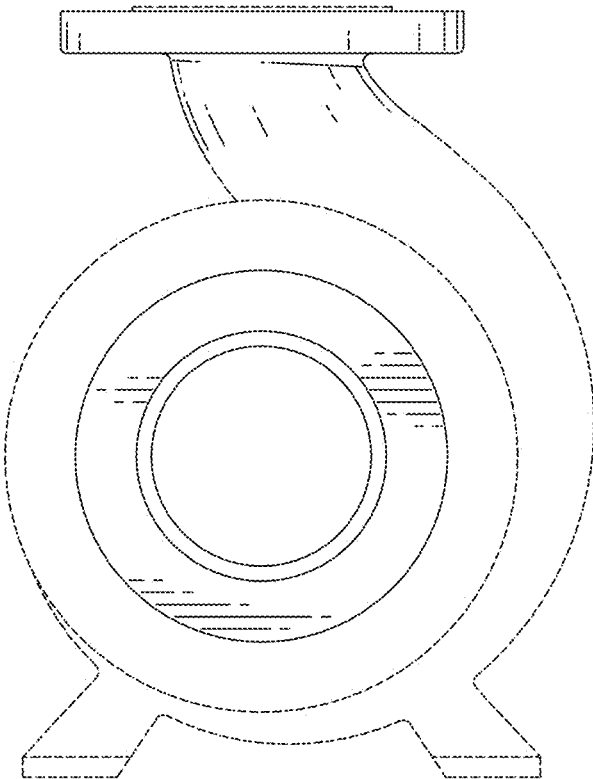


FIG. 30

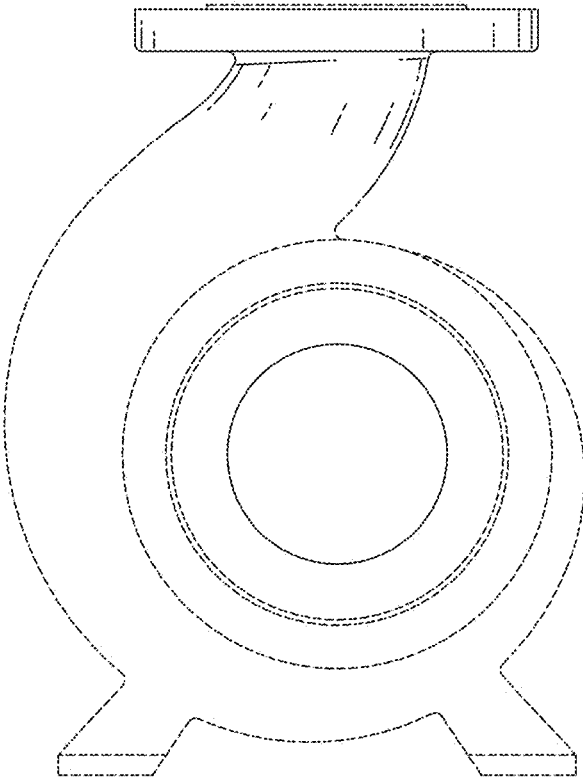


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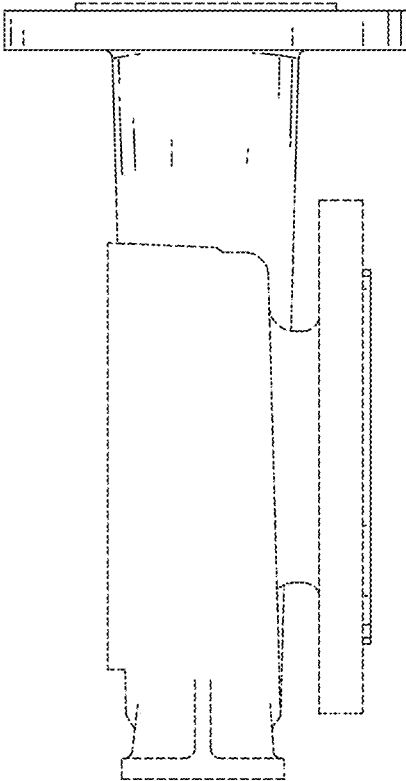


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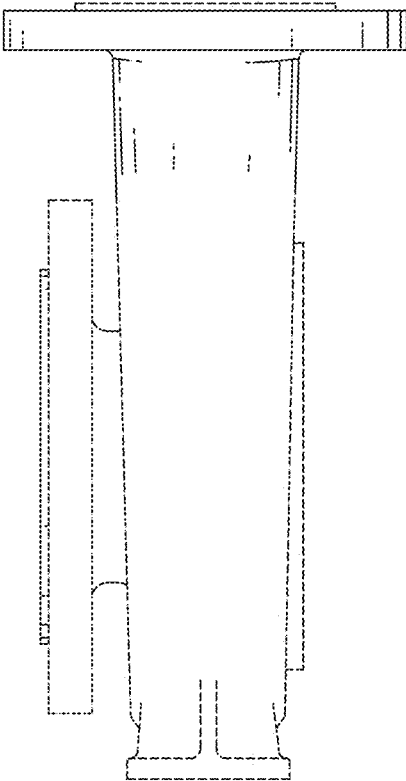


FIG. 33

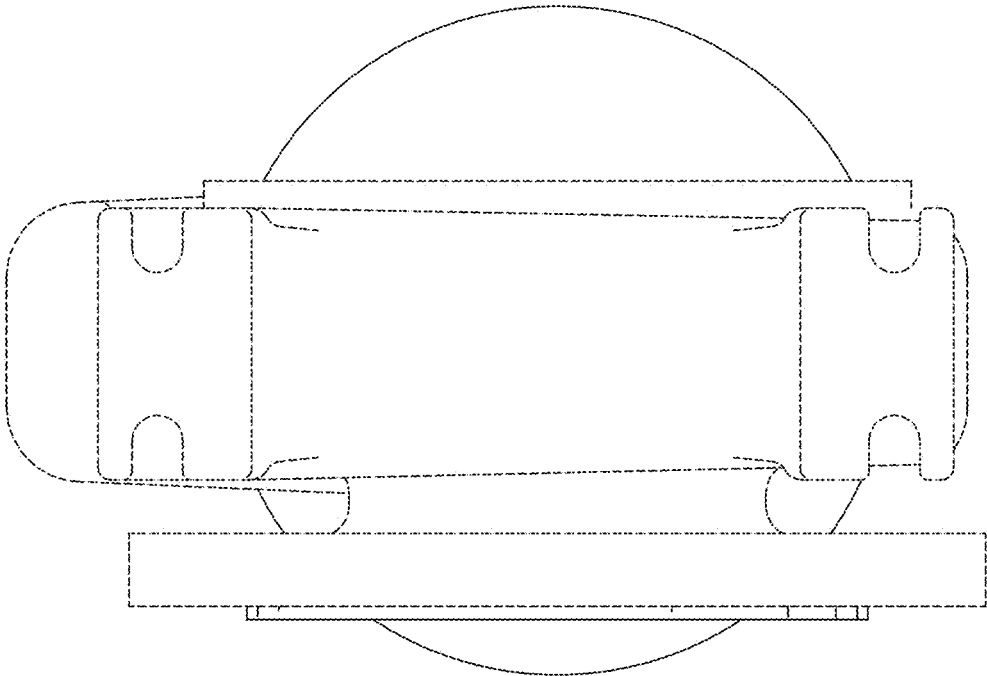


FIG. 34

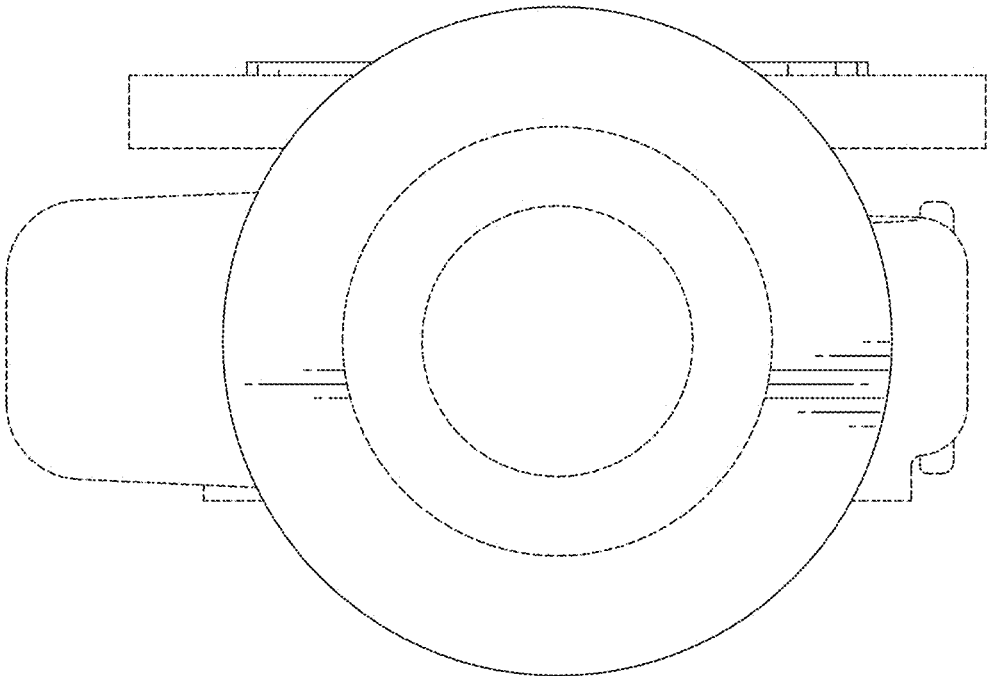


FIG. 35

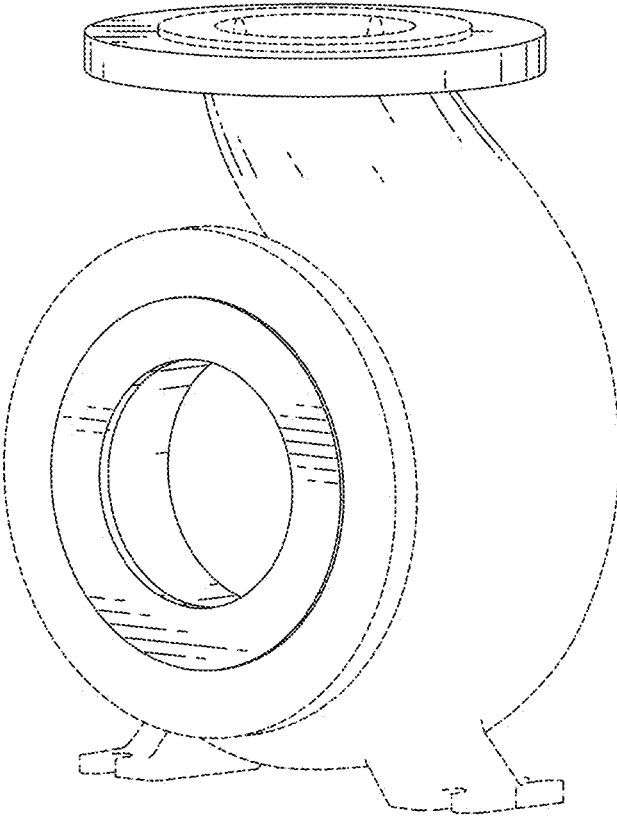


FIG. 36

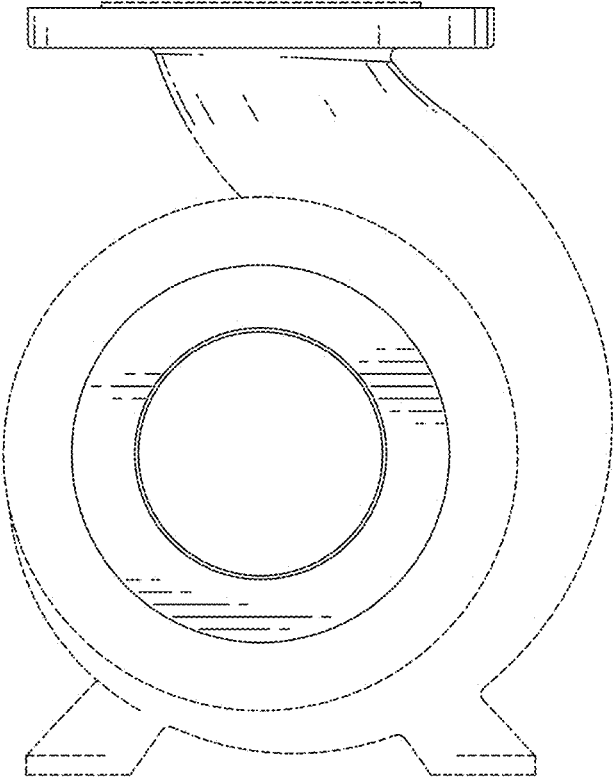


FIG. 37

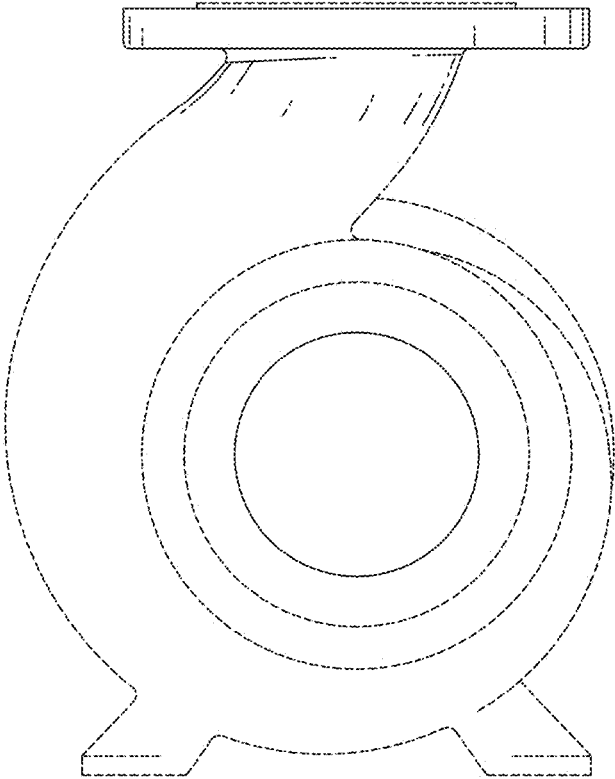


FIG. 38

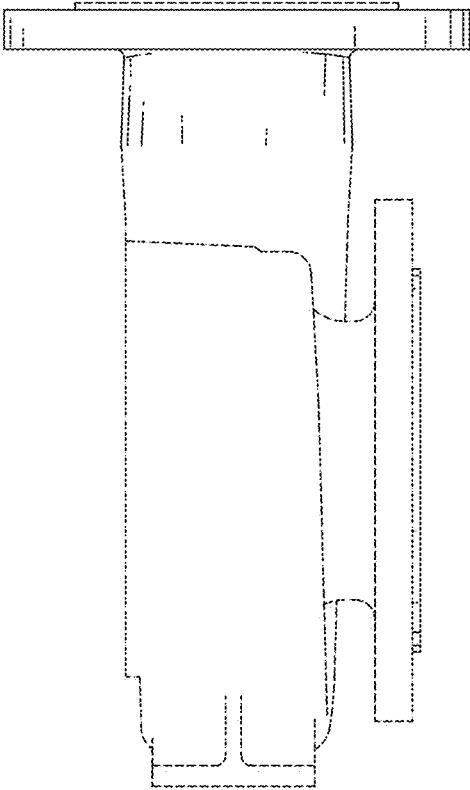


FIG. 39

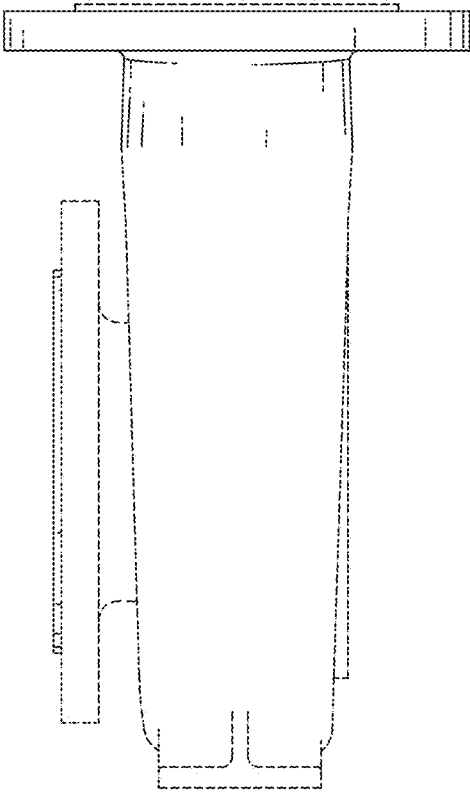


FIG. 40

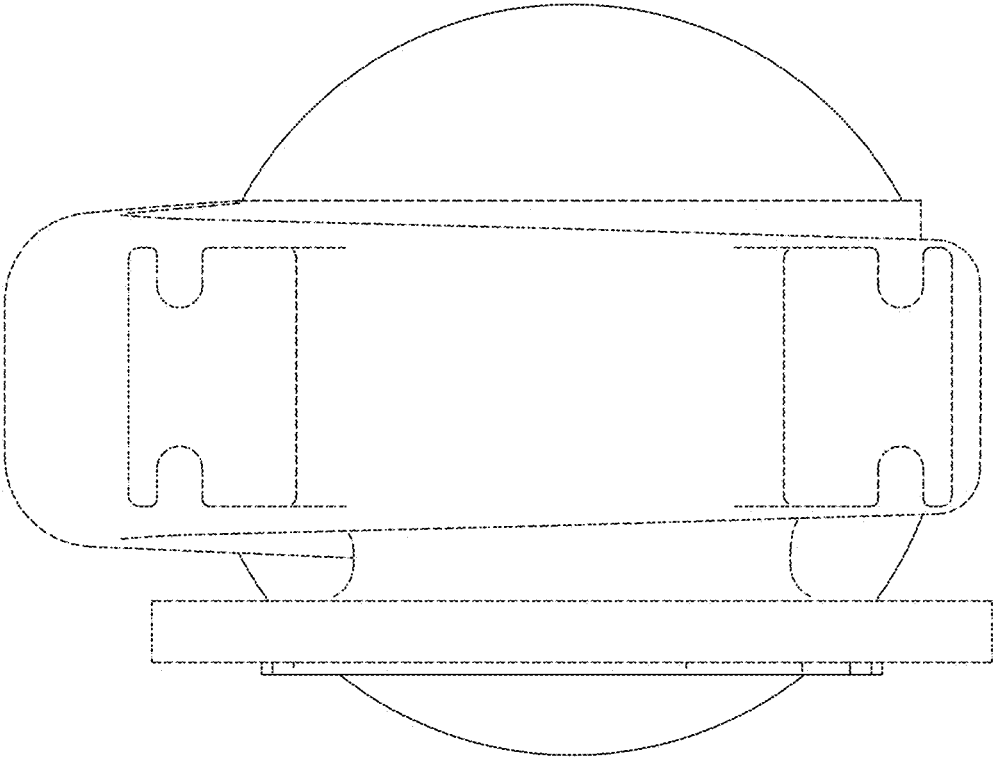


FIG. 41

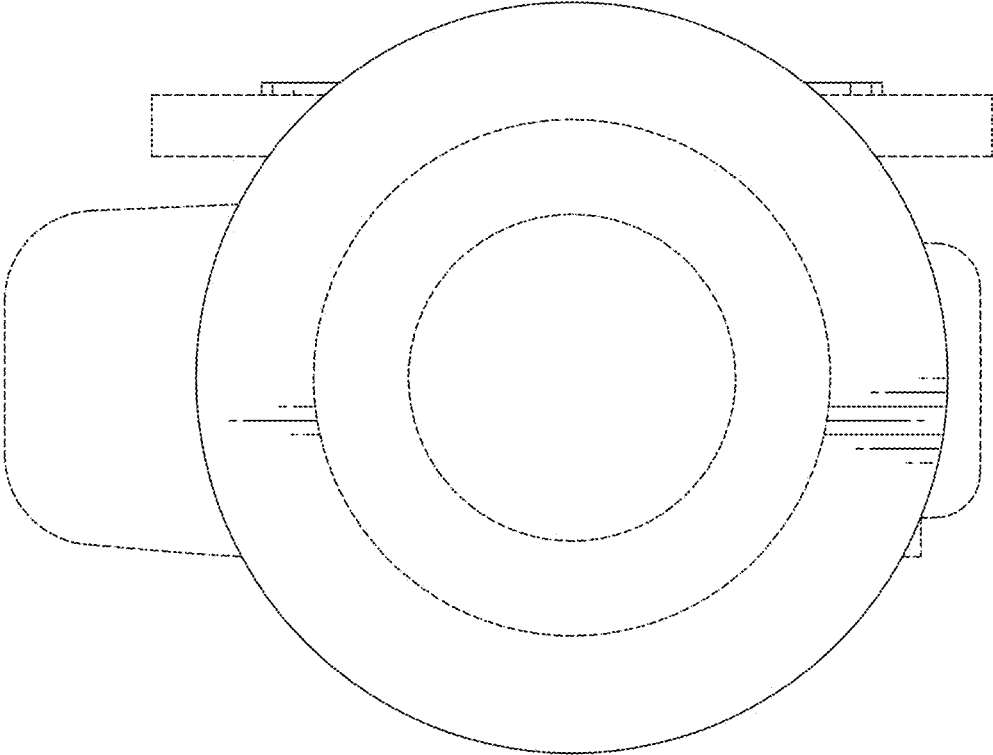


FIG. 42

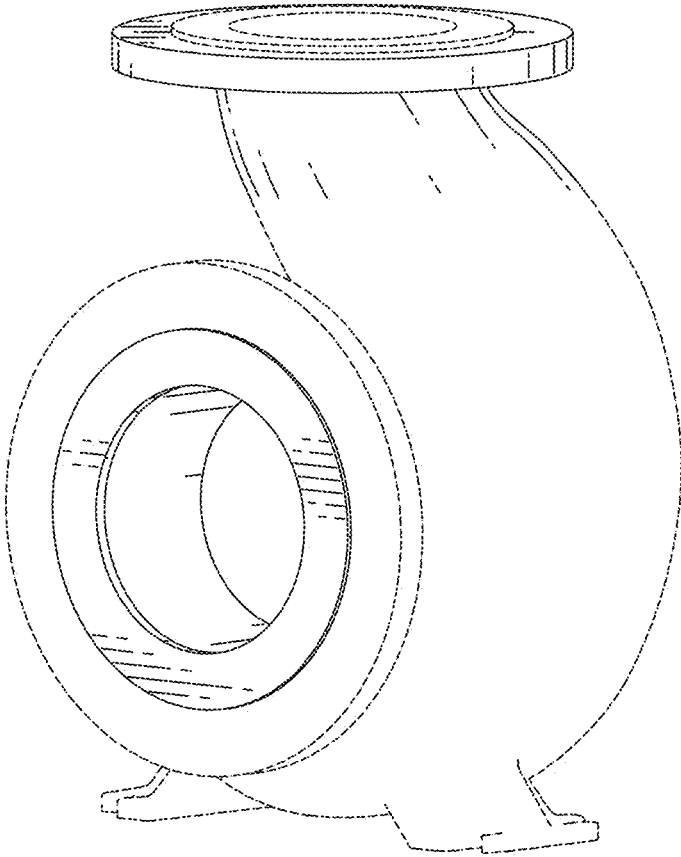


FIG. 43

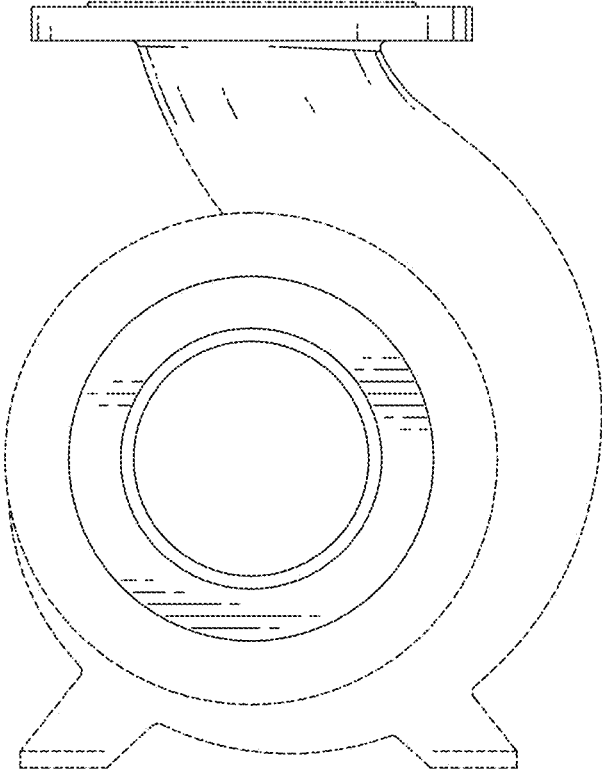


FIG. 44

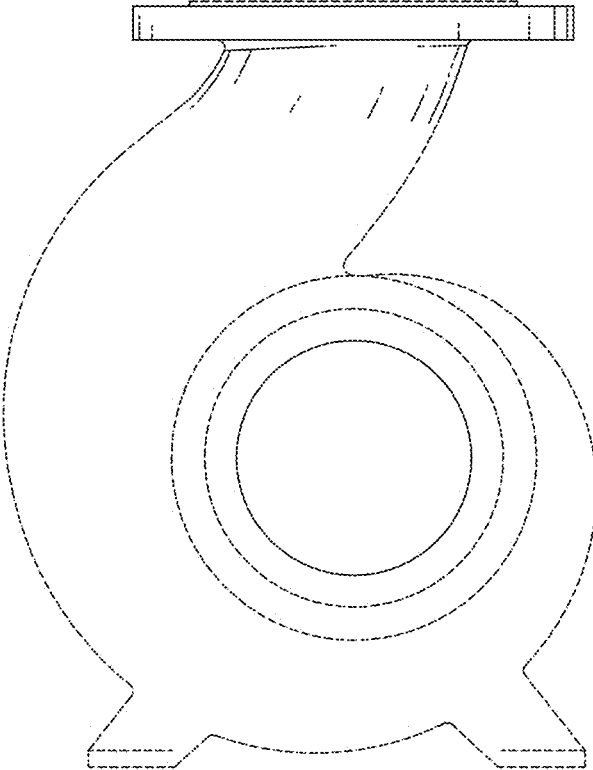


FIG. 45

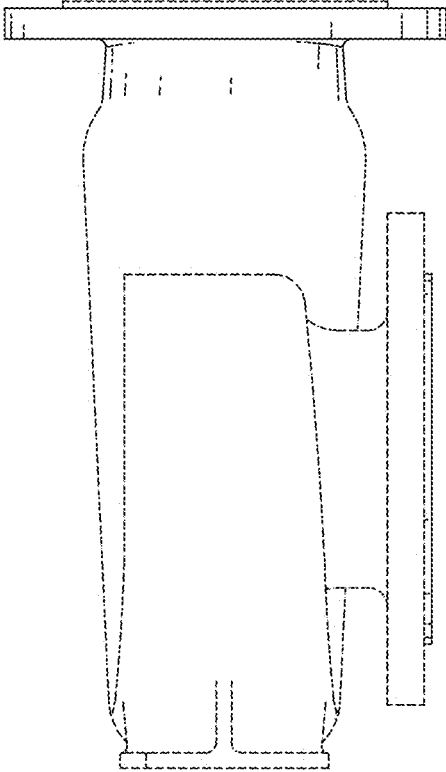


FIG. 46

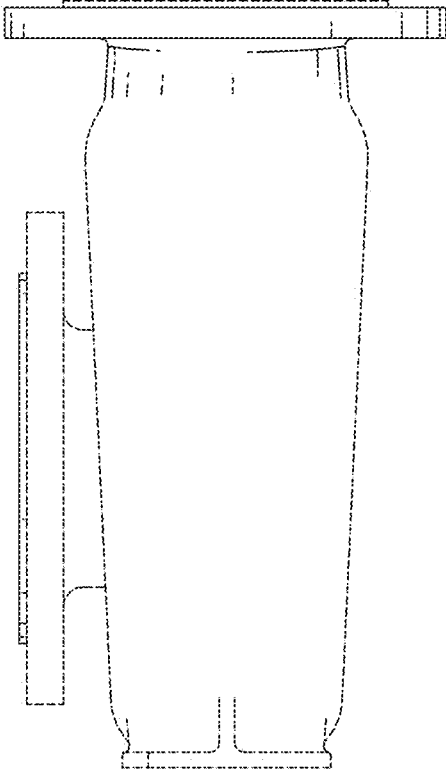


FIG. 47

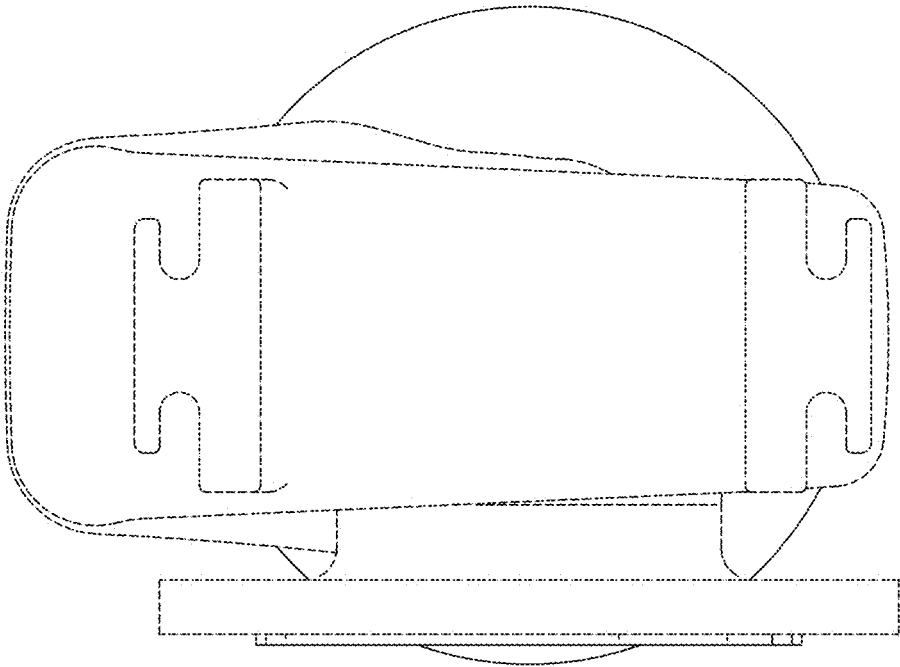


FIG. 48

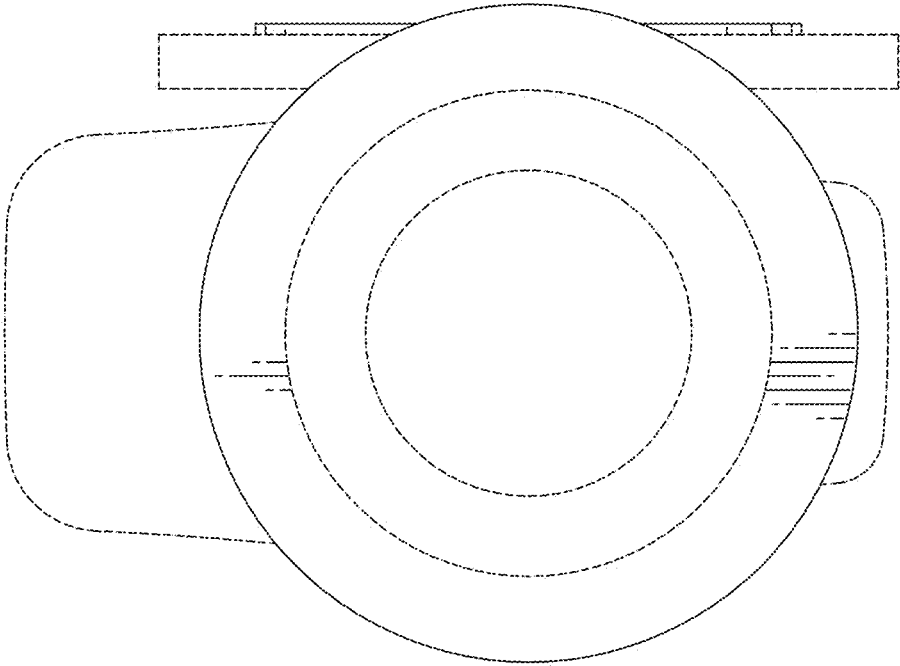


FIG. 49

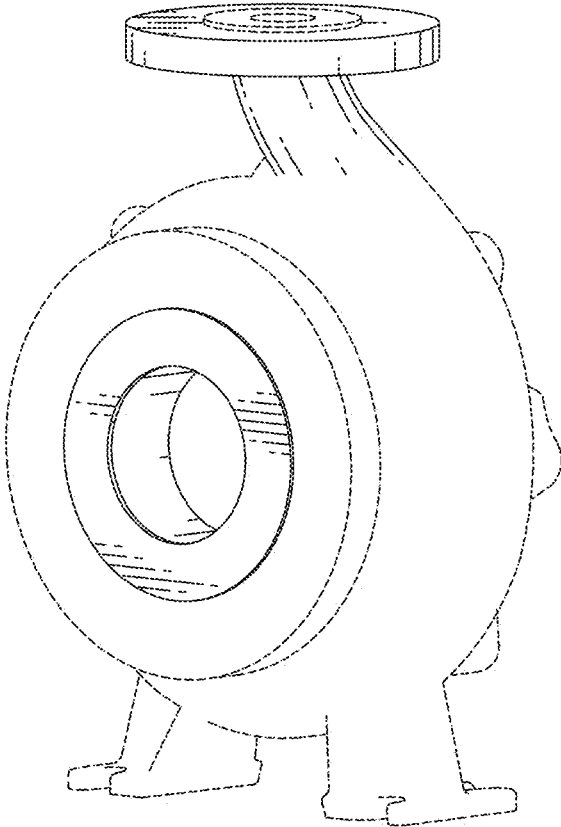


FIG. 50

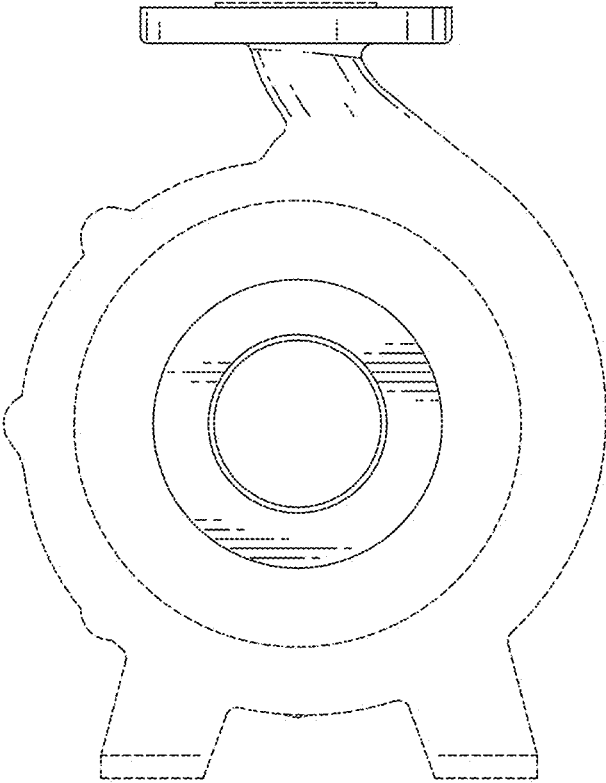


FIG. 51

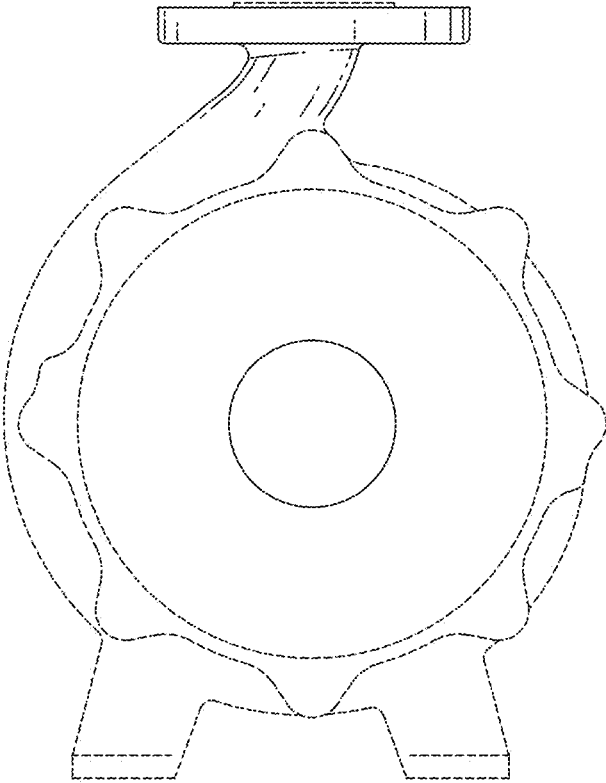


FIG. 52

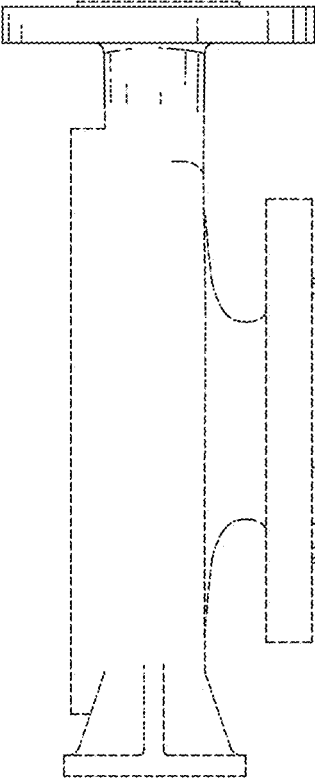


FIG. 53

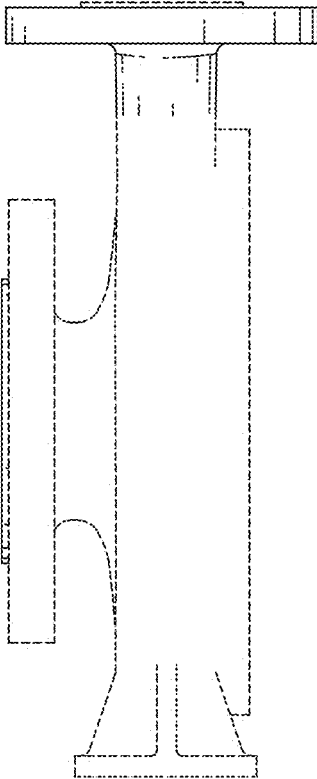


FIG. 54

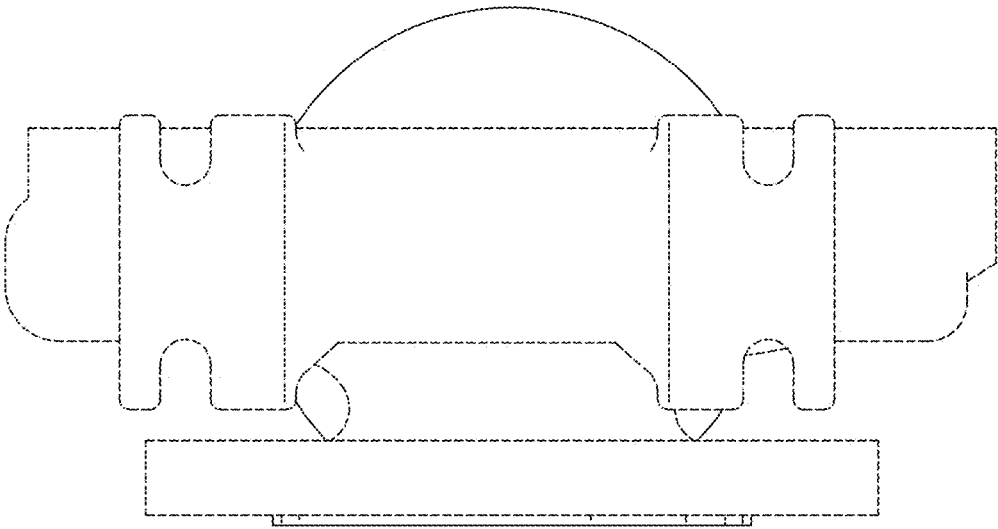


FIG. 55

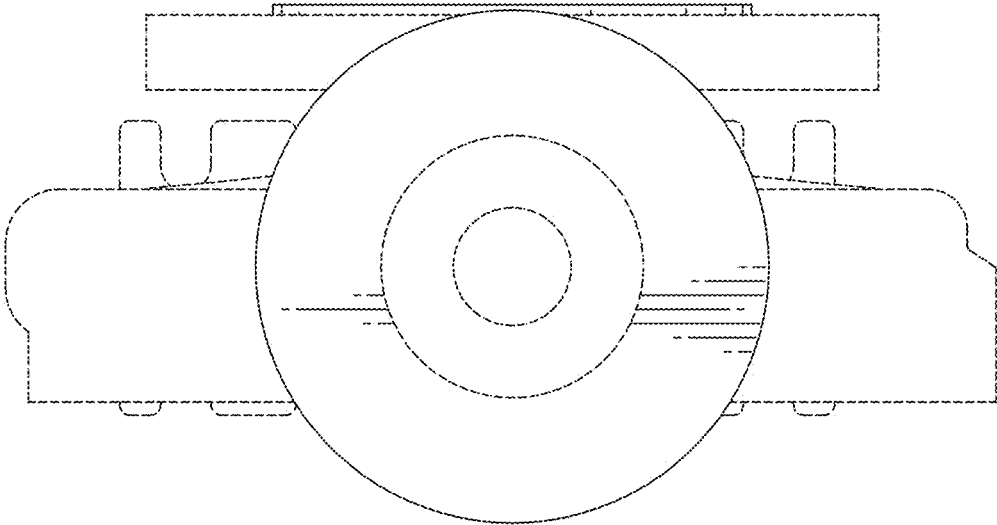


FIG. 56

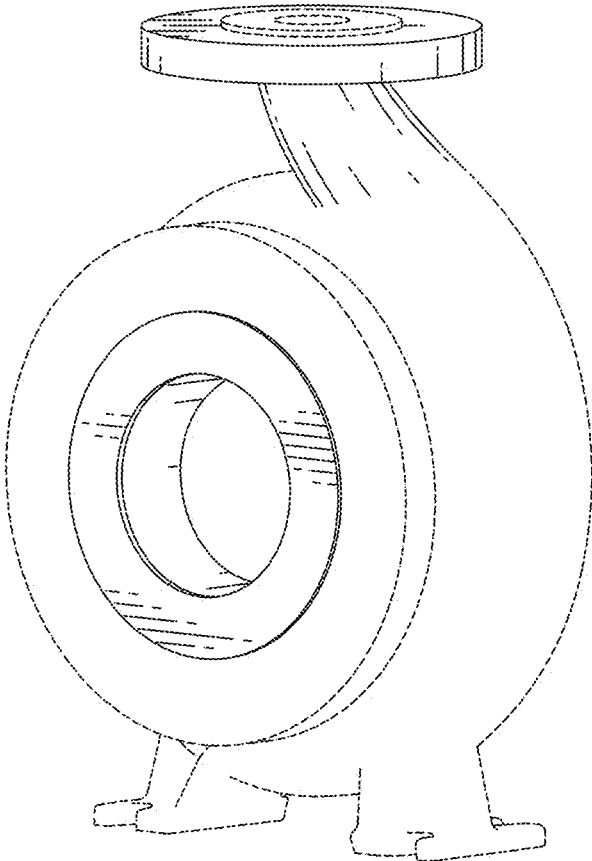


FIG. 57

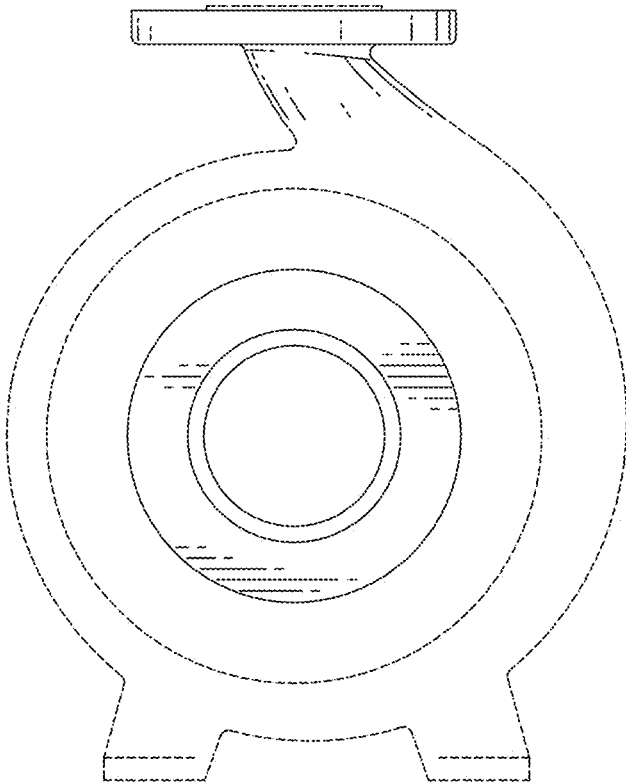


FIG. 58

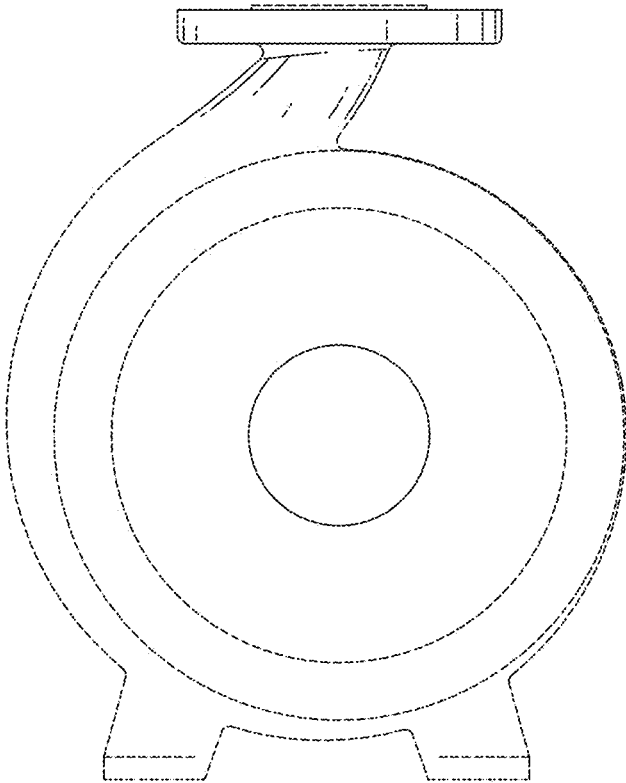


FIG. 59

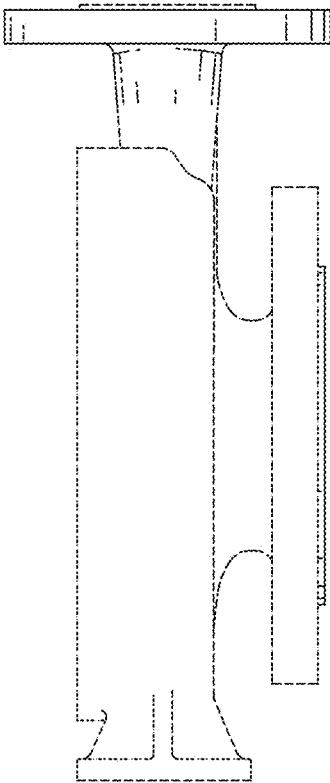


FIG. 60

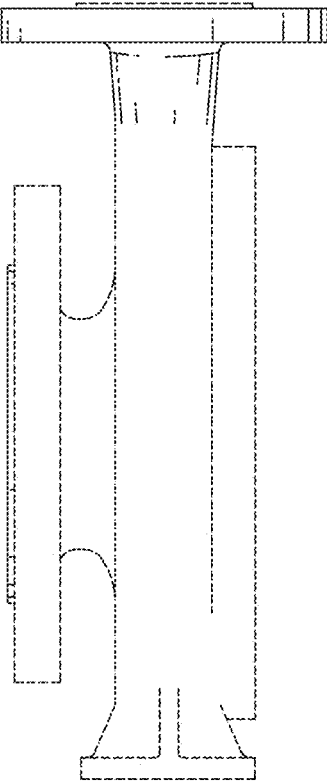


FIG. 61

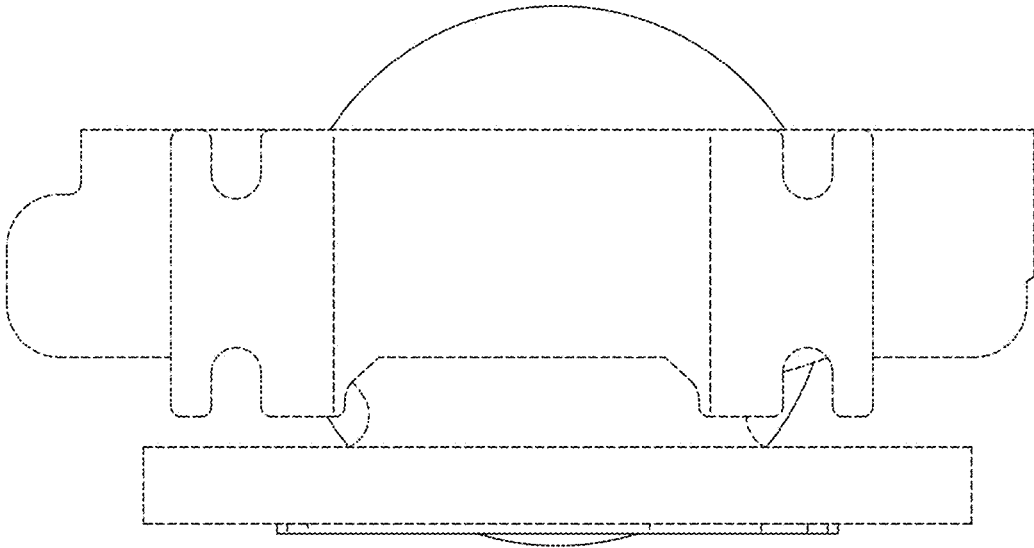


FIG. 62

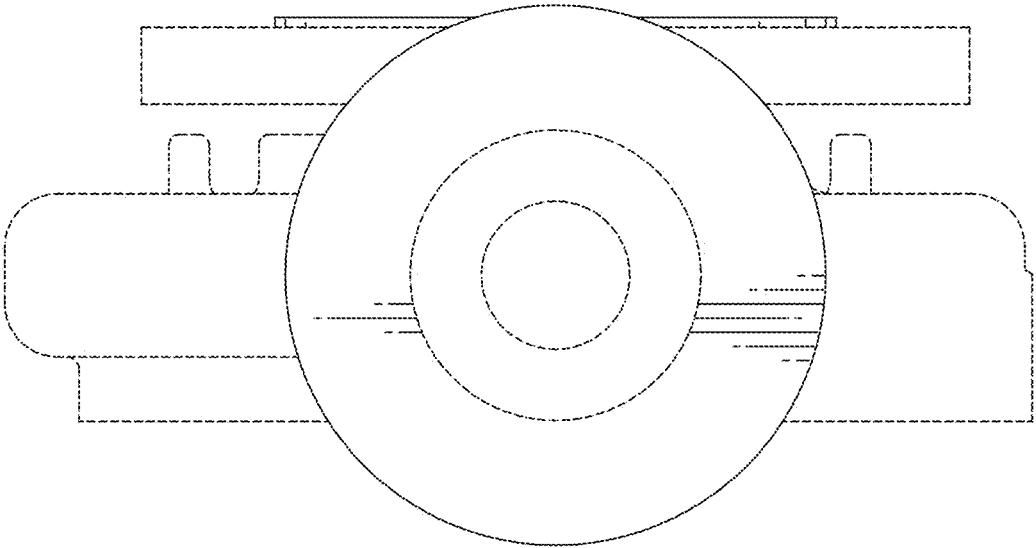


FIG. 63

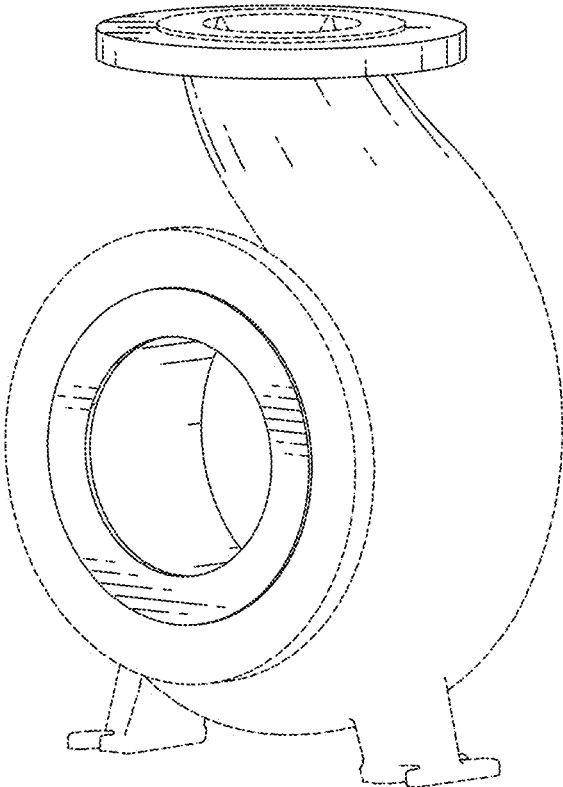


FIG. 64

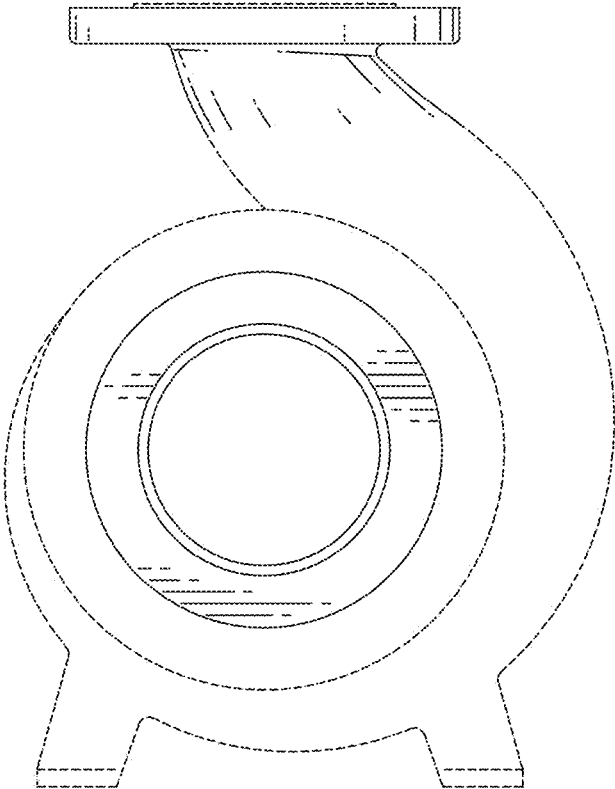


FIG. 65

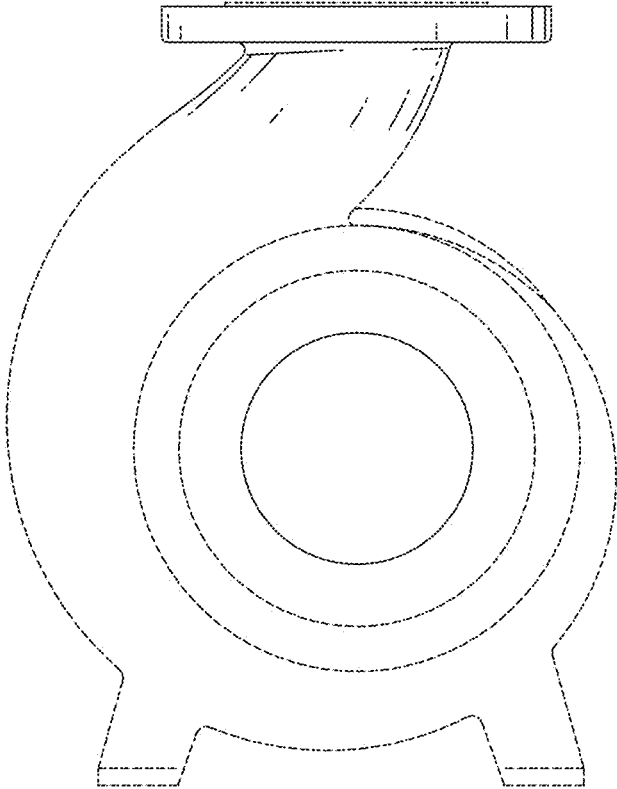


FIG. 66

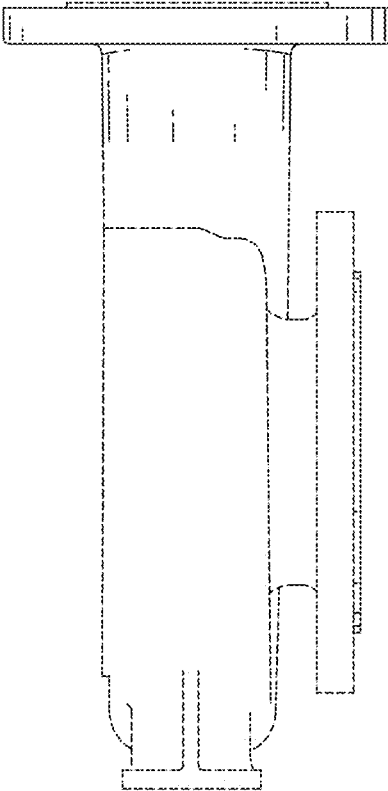


FIG. 67

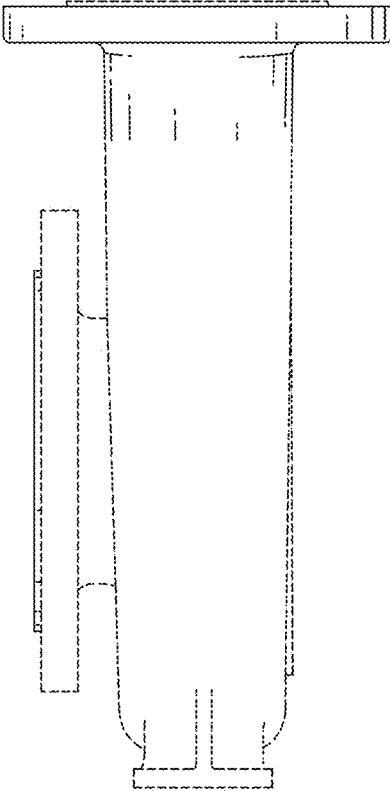


FIG. 68

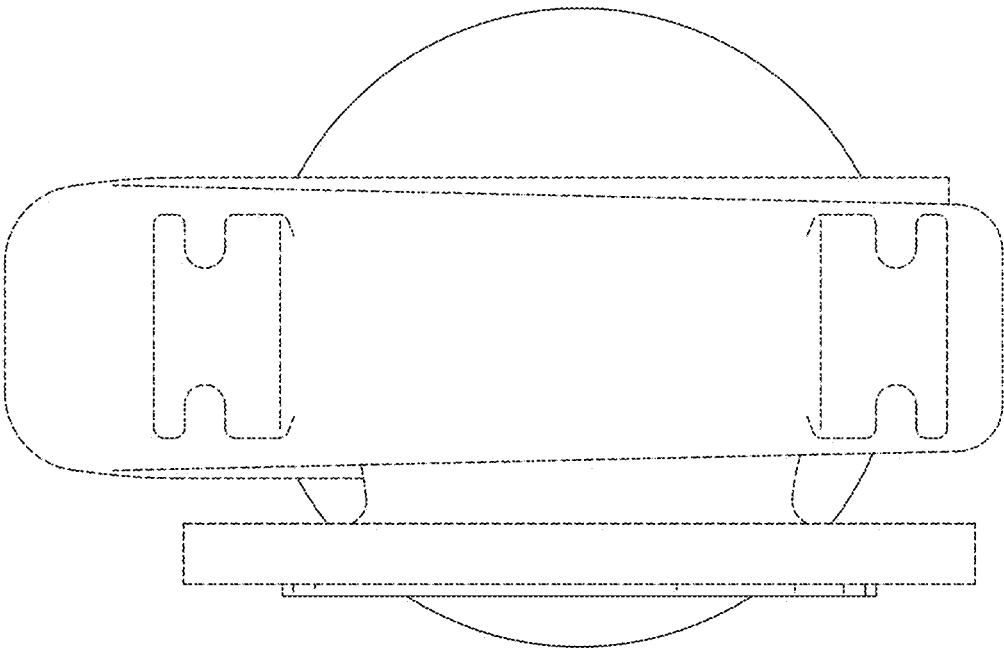


FIG. 69

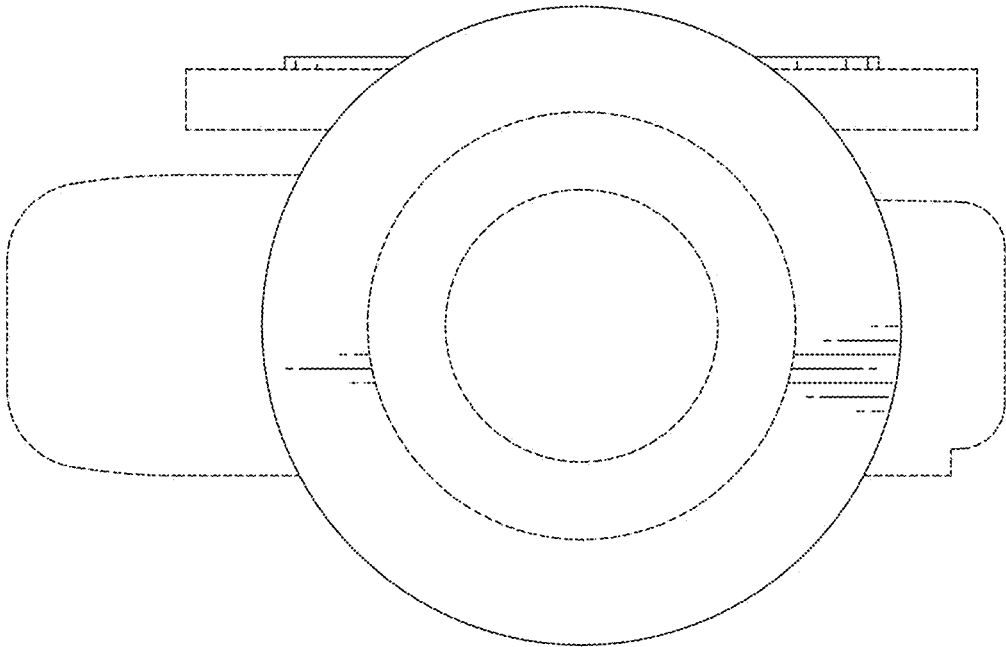


FIG. 70

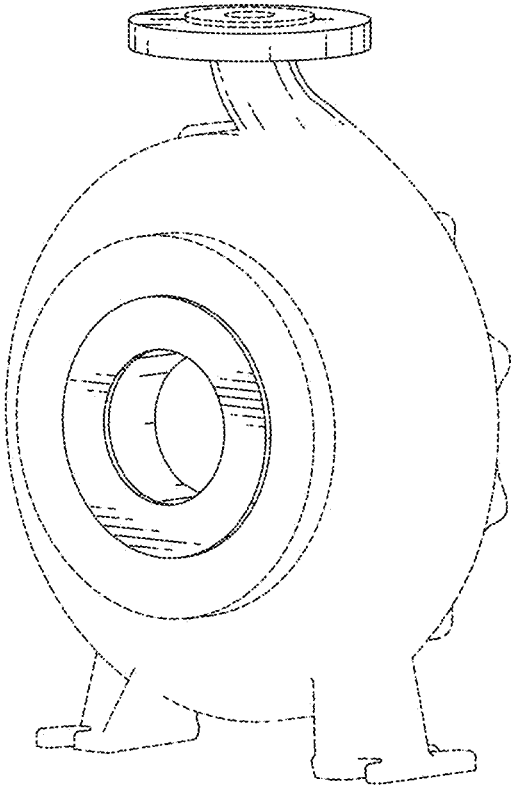


FIG. 71

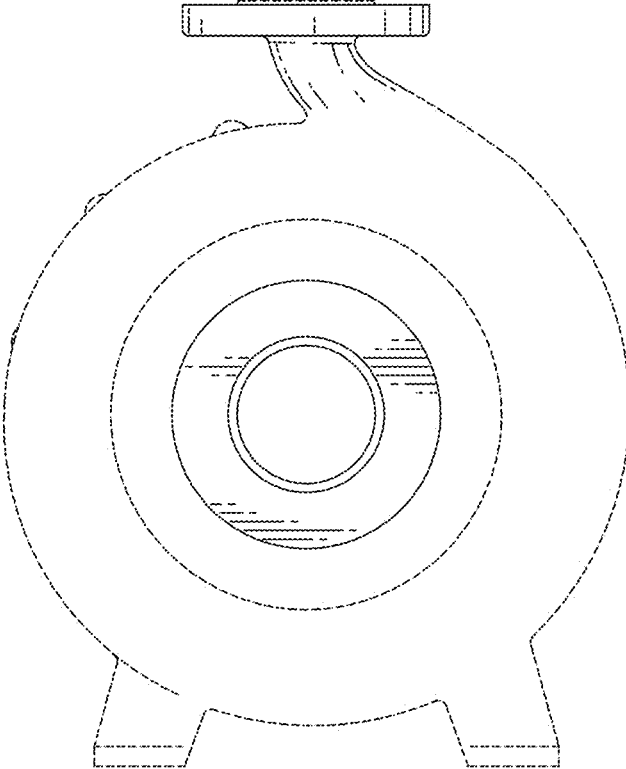


FIG. 72

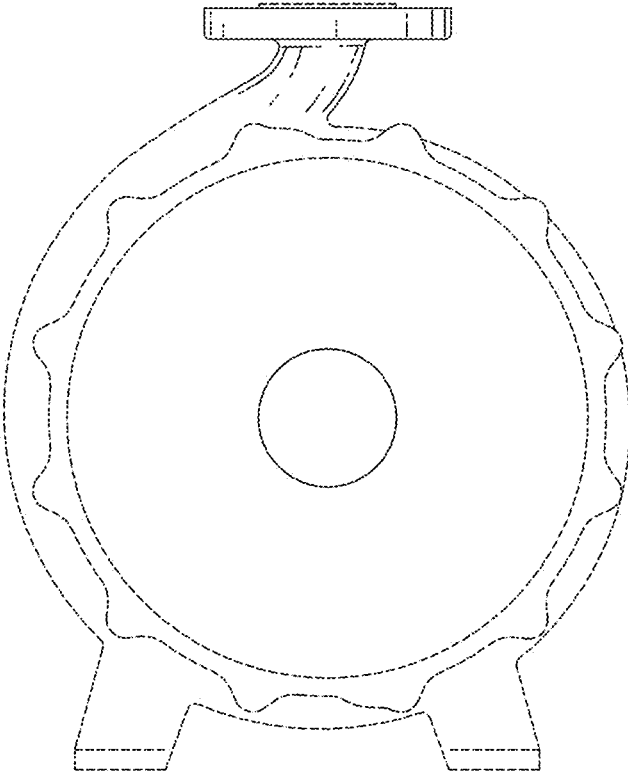


FIG. 73

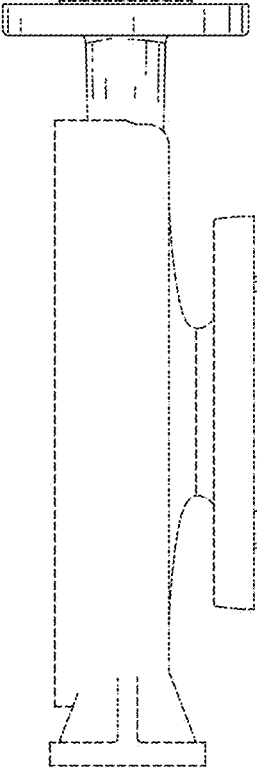


FIG. 74

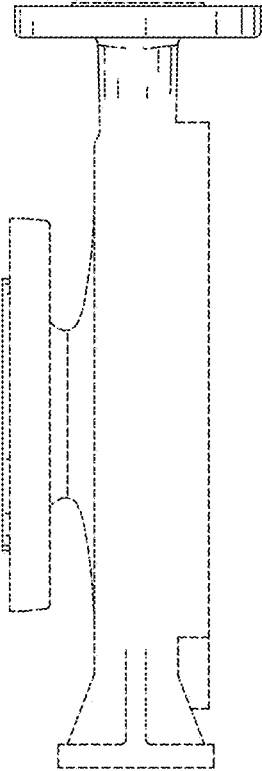


FIG. 75

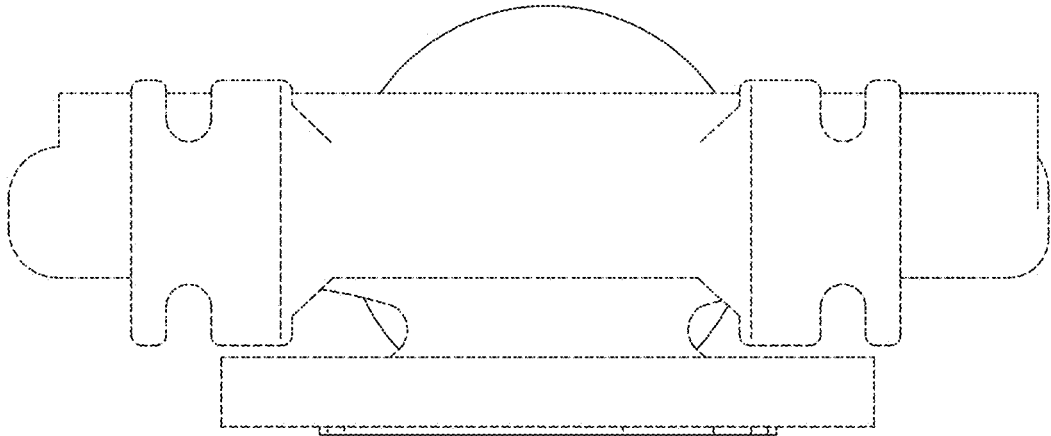


FIG. 76

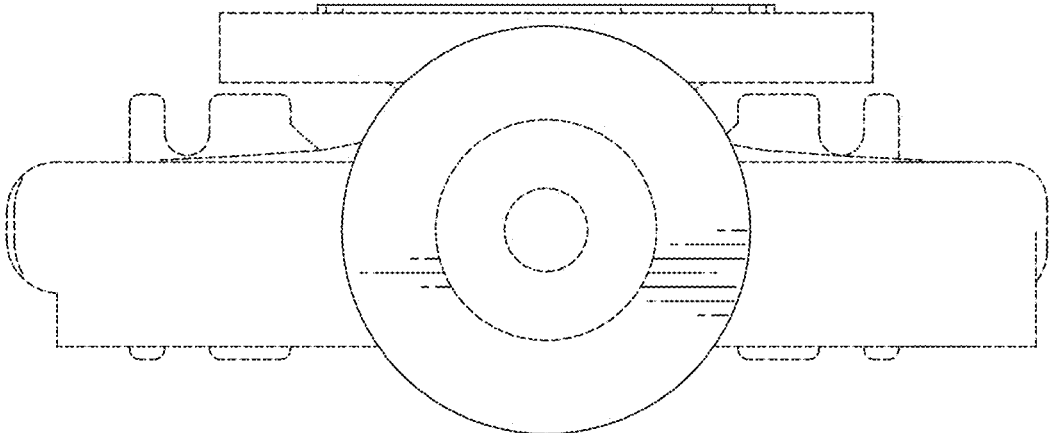


FIG. 77

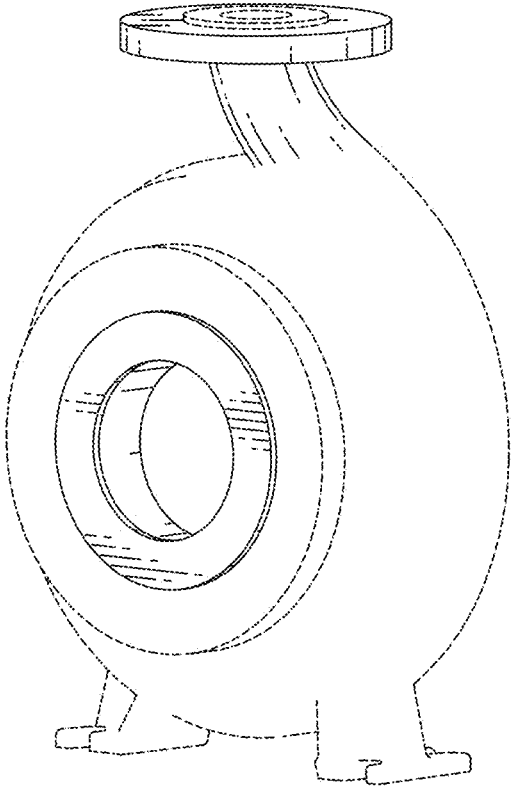


FIG. 78

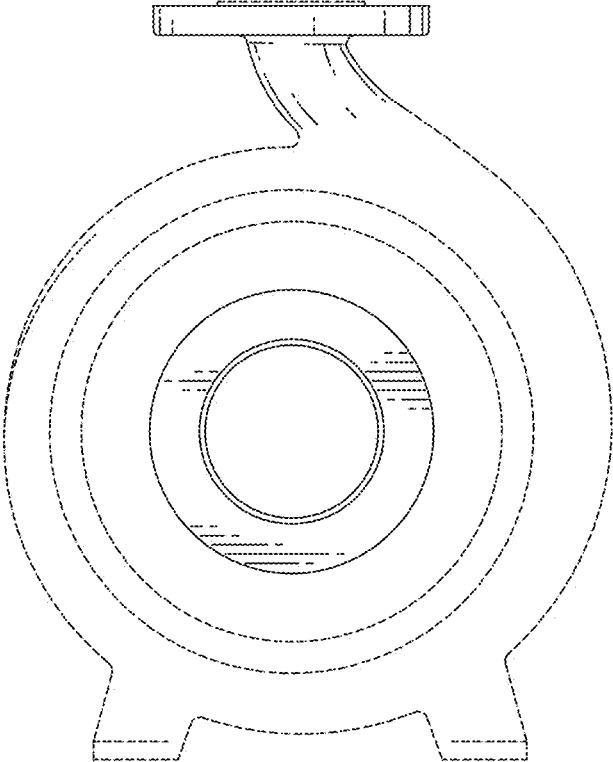


FIG. 79

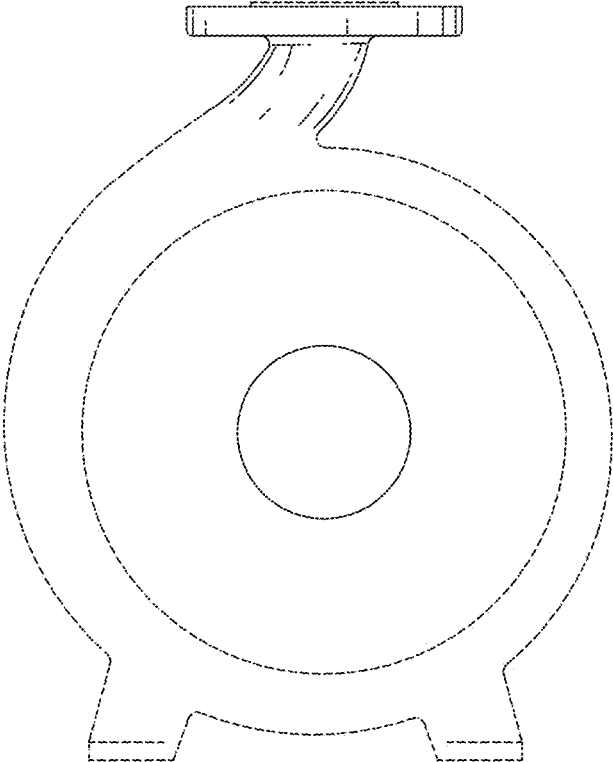


FIG. 80

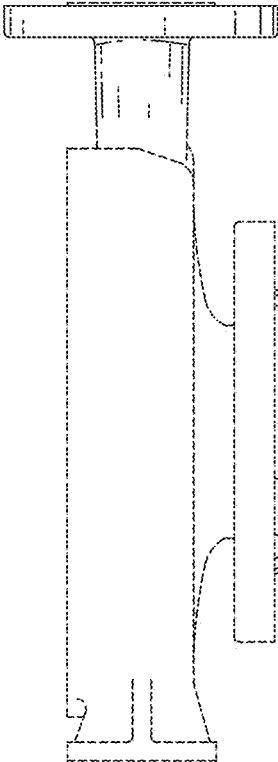


FIG. 81

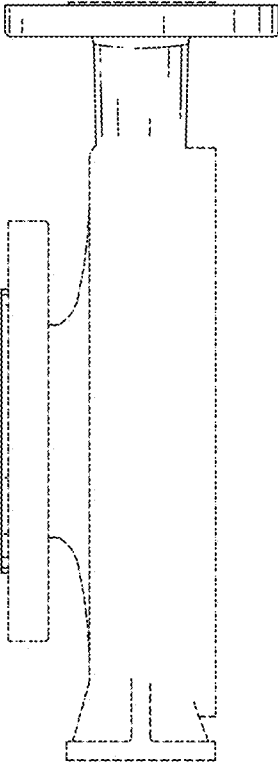


FIG. 82

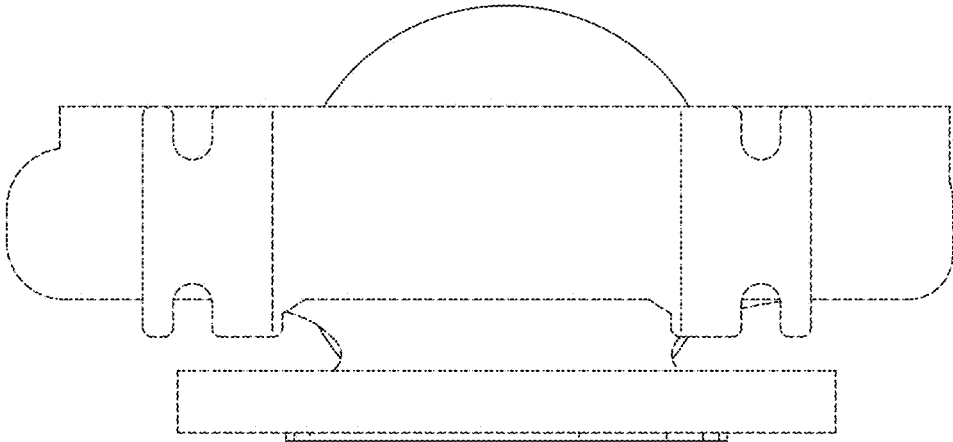


FIG. 83

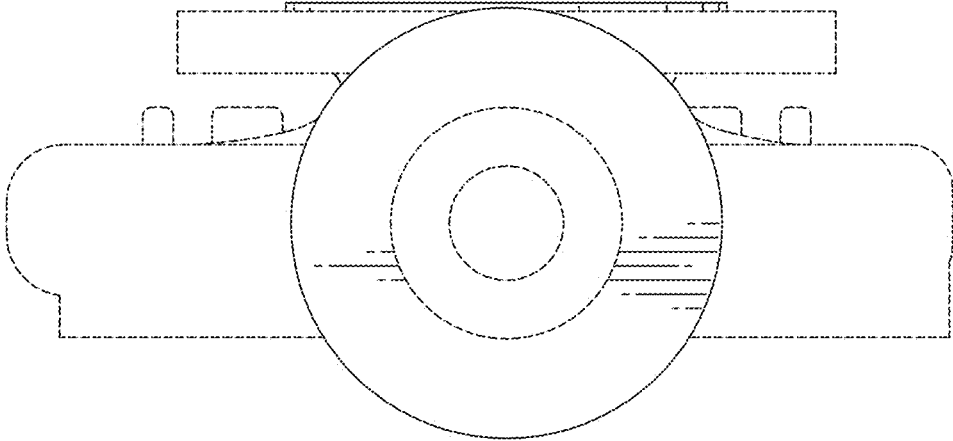


FIG. 84

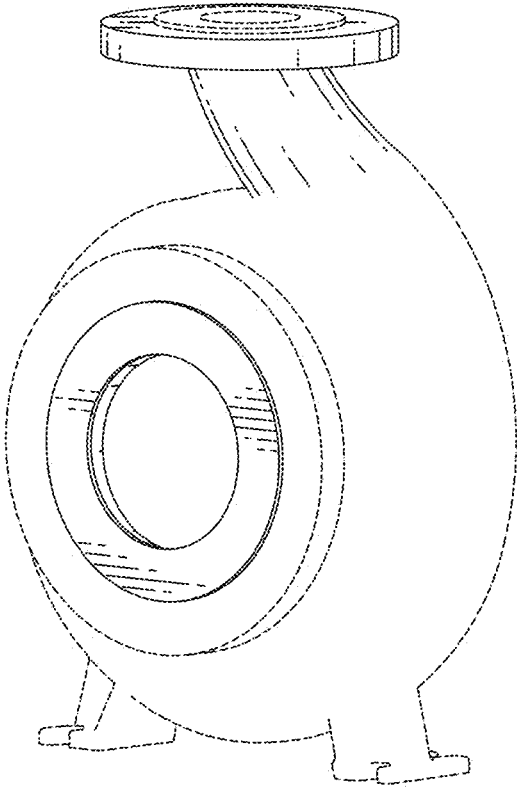


FIG. 85

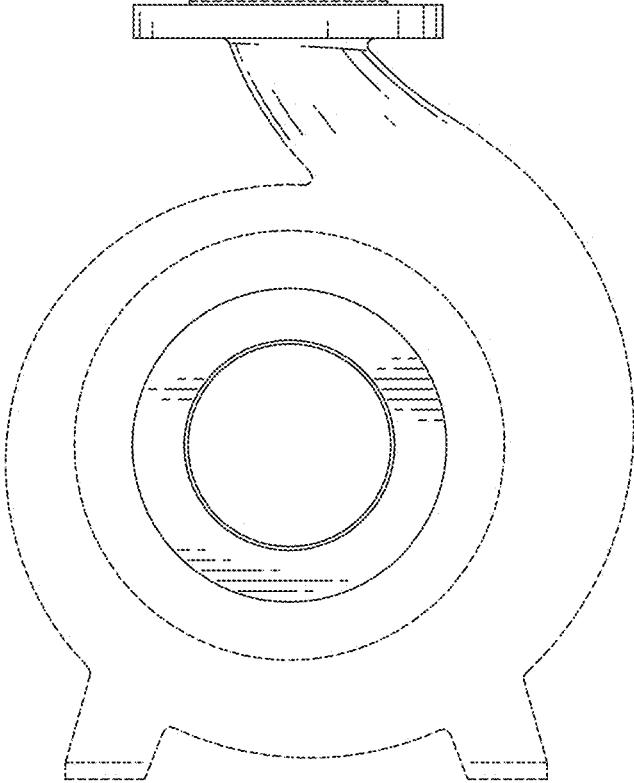


FIG. 86

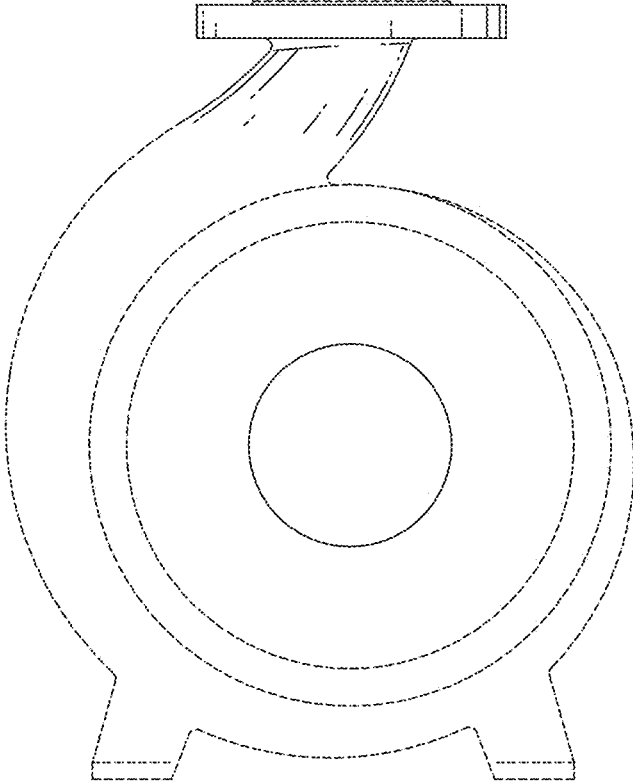


FIG. 87

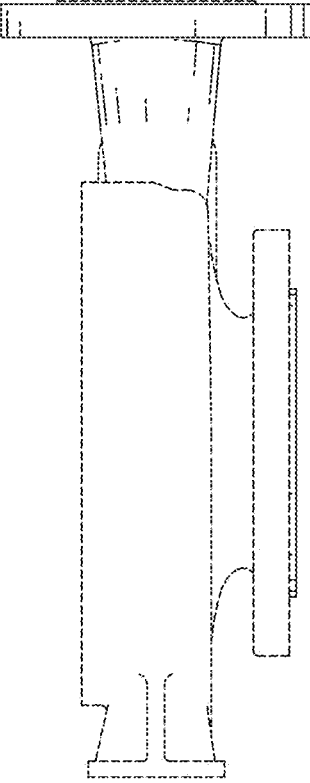


FIG. 88

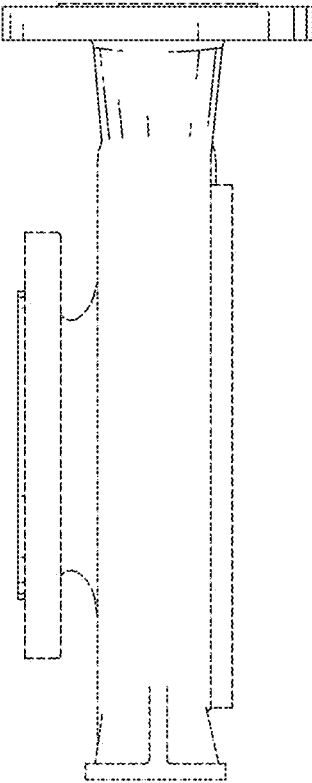


FIG. 89

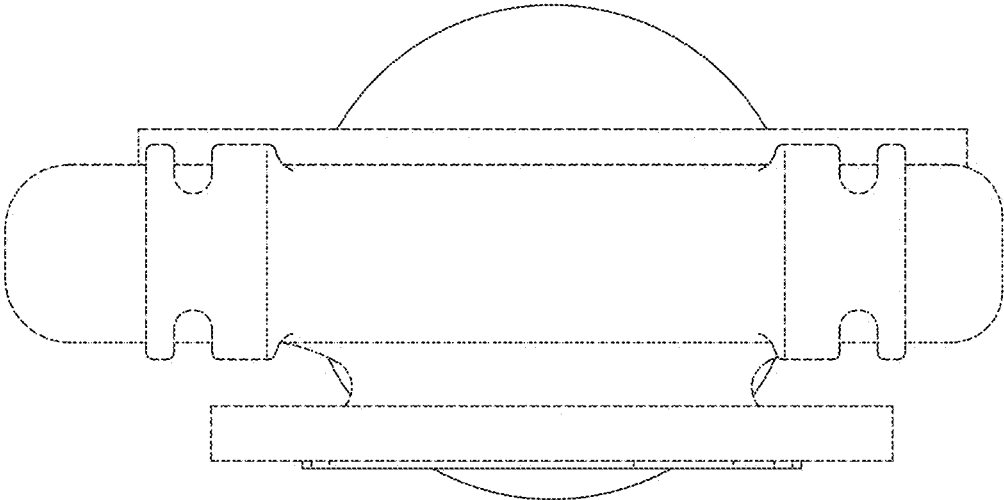


FIG 90

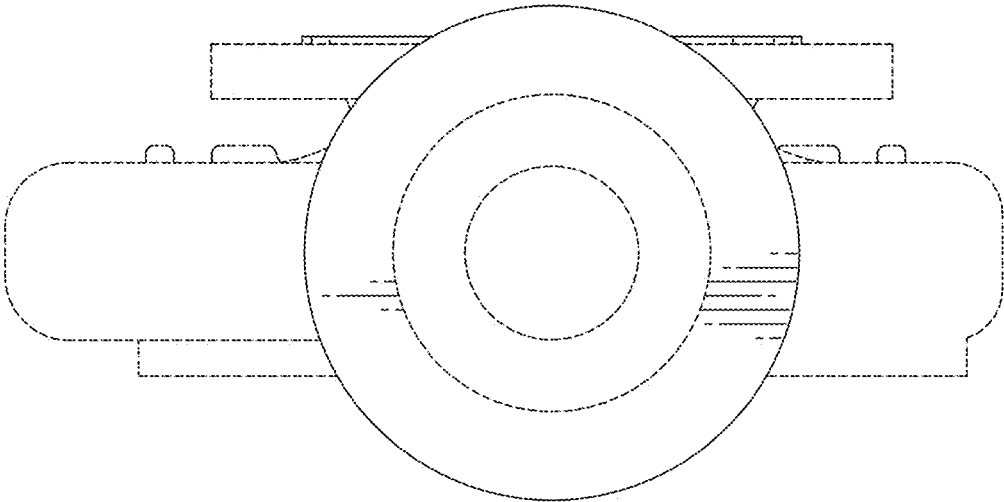


FIG. 91

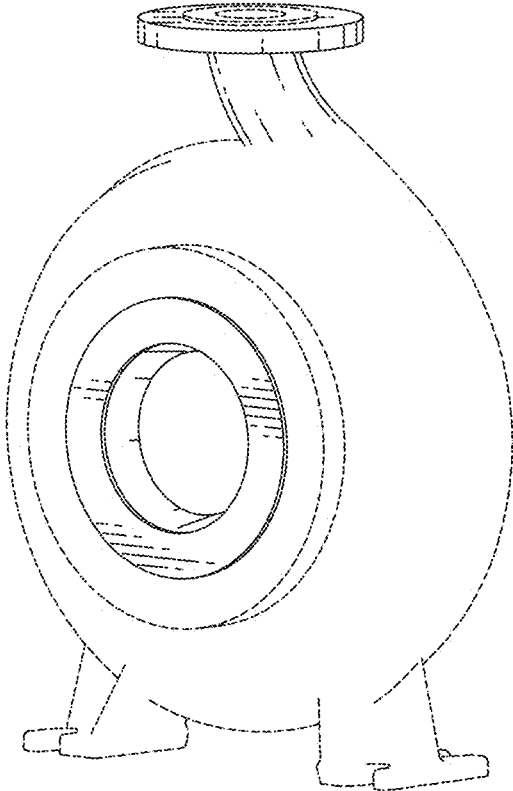


FIG. 92

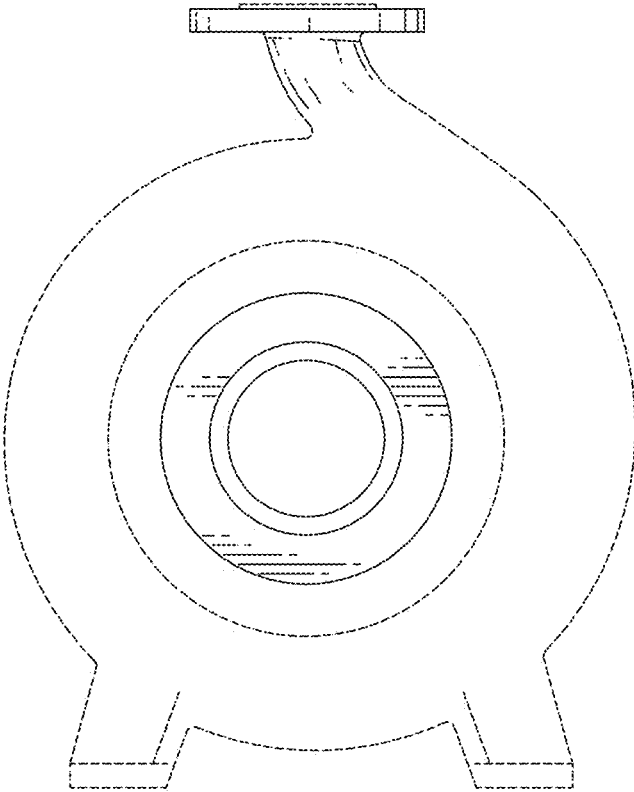


FIG. 93

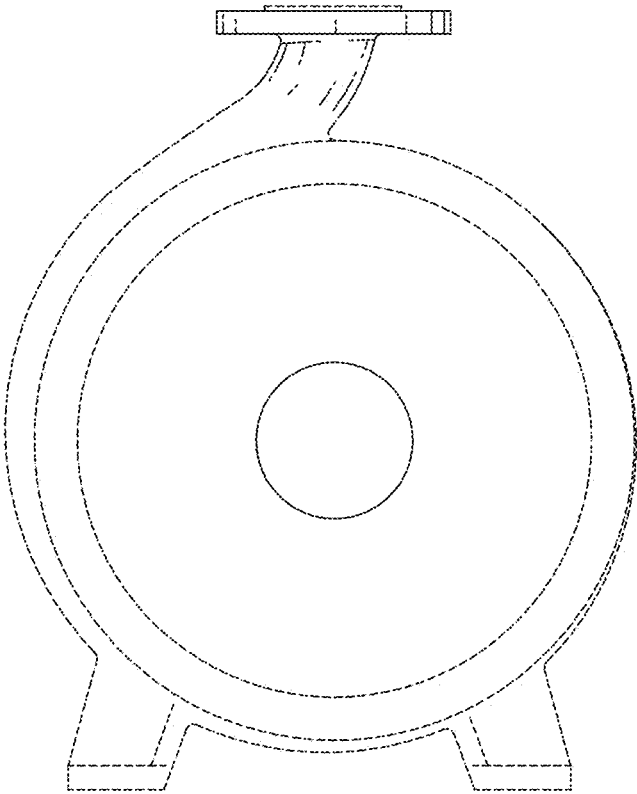


FIG. 94

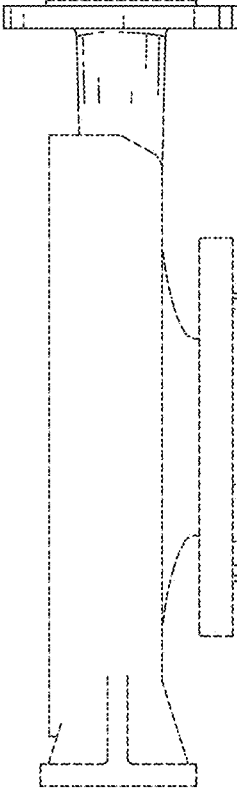


FIG. 95

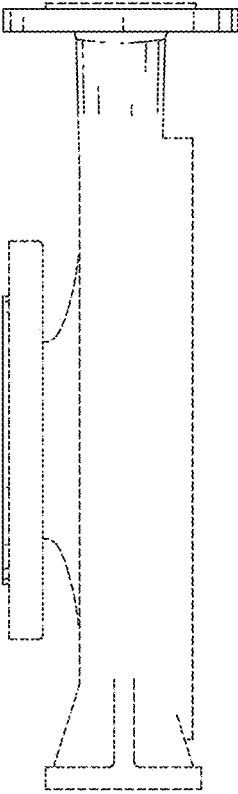


FIG. 96

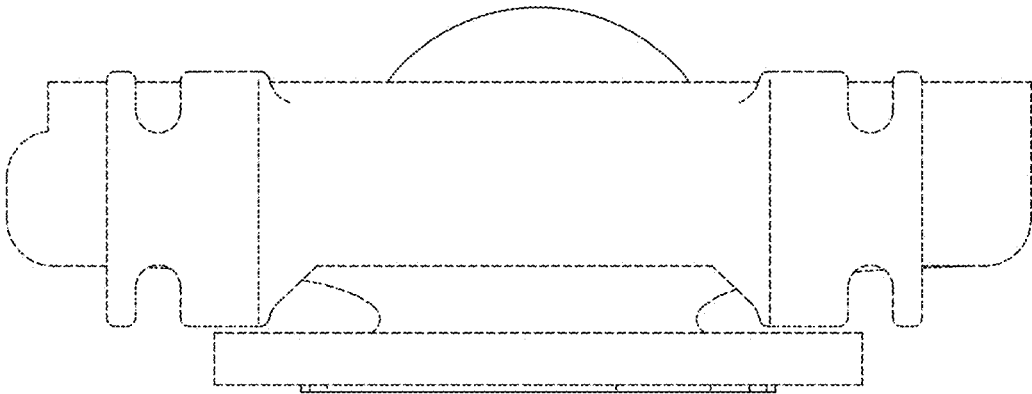


FIG. 97

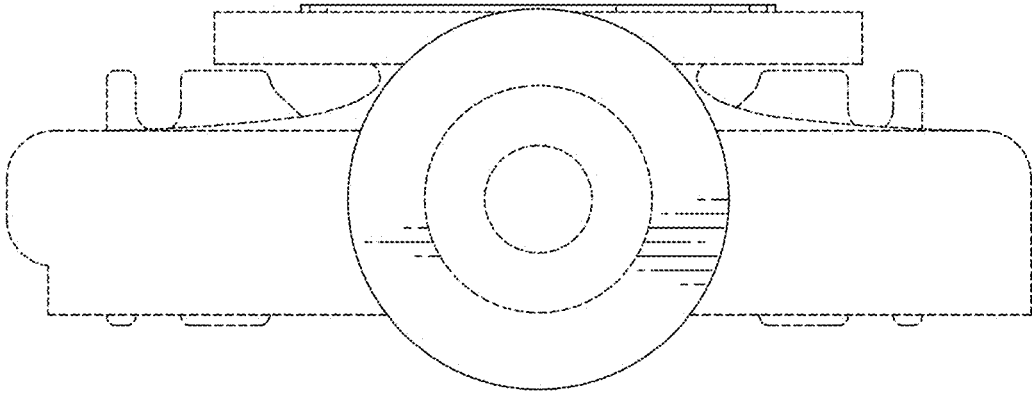


FIG. 98

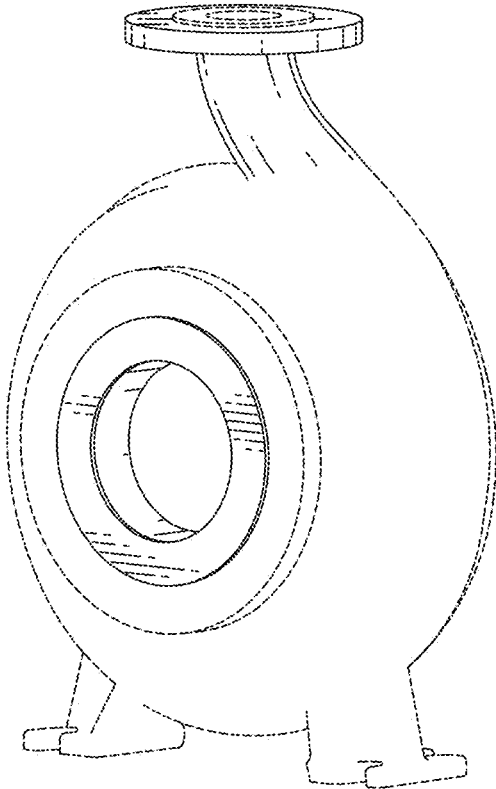


FIG. 99

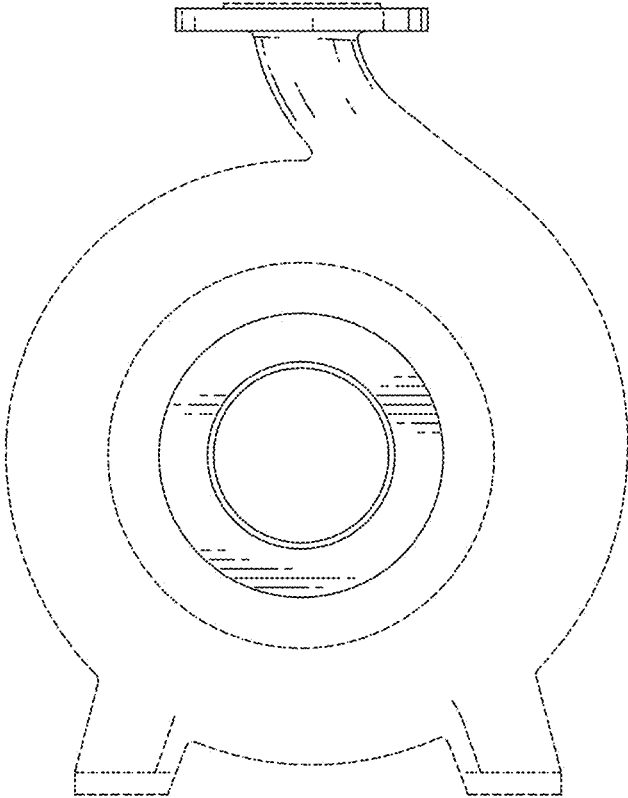


FIG. 100

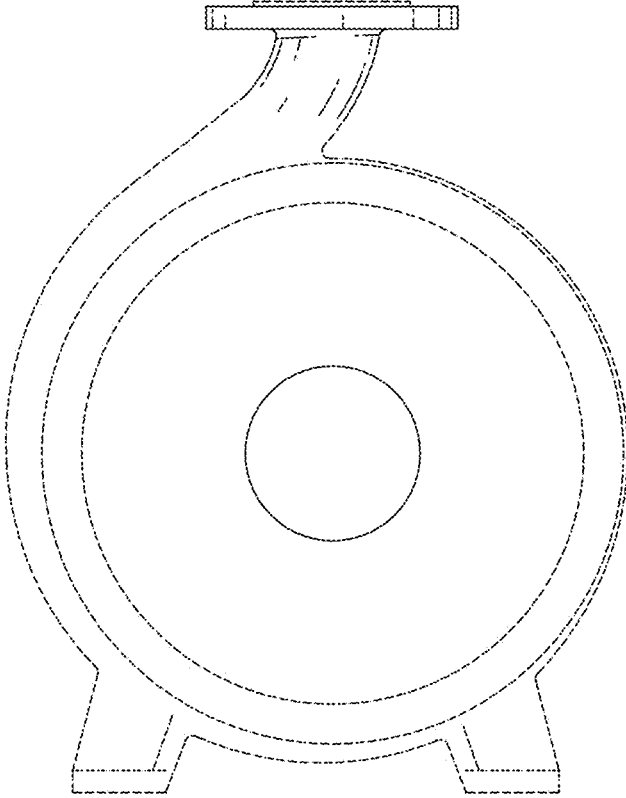


FIG. 101

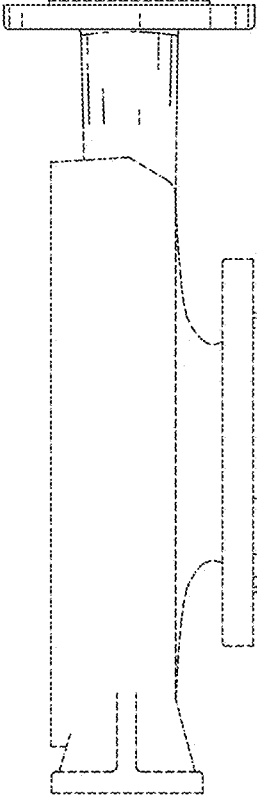


FIG. 102

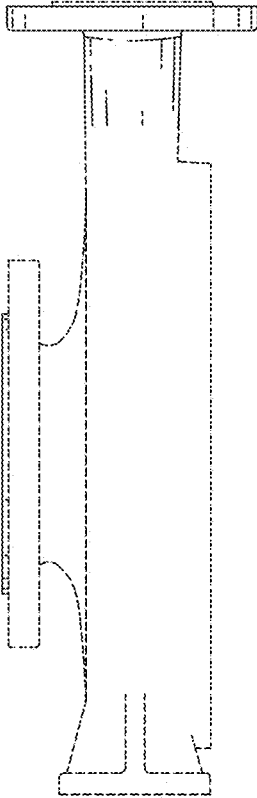


FIG. 103

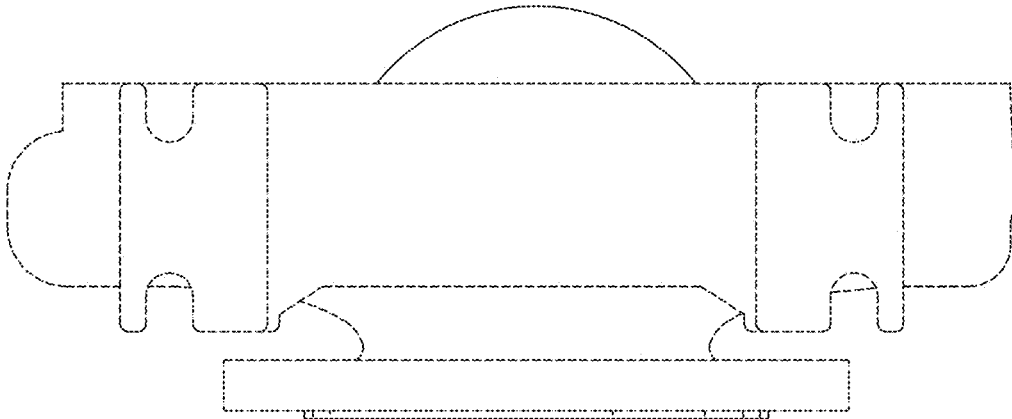


FIG. 104

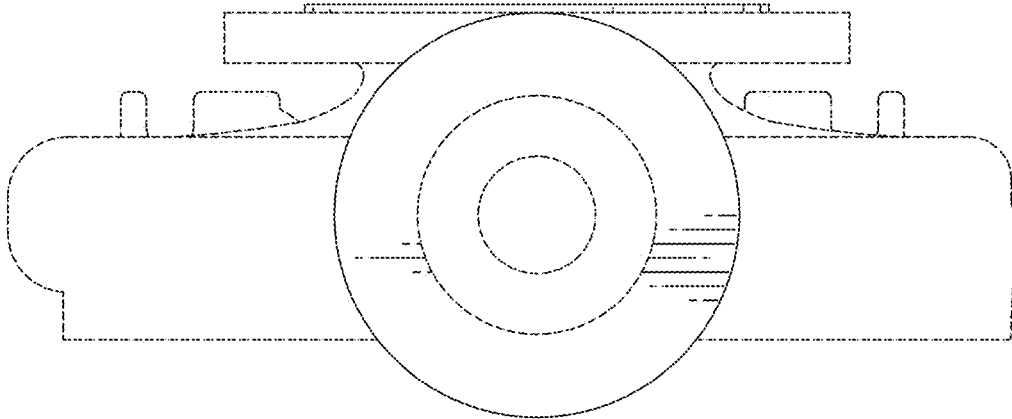


FIG. 105