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(12) United States Design Patent

Naruoka et al.

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(54) **IMPELLER FOR SUPERCHARGERS**

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

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(30) **Foreign Application Priority Data**

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(51) **LOC (10) Cl.** **15-01**

(52) **U.S. Cl.**
USPC **D15/5**

(58) **Field of Classification Search**
USPC D15/1–5, 7, 9; 123/559.1; 29/888.02; 418/178, 179, 1, 206.5; 415/9, 173.4, 415/174.4, 118; 464/127, 72, 74, 75; D23/370, 375, 376, 377, 379, 411, 413, D23/414
CPC F16D 2500/1068; F16D 3/70; F16D 3/64; F16D 3/68; F16D 3/78; F16D 3/12; F16D 41/20; F16D 3/00; F02B 39/12; F02B 39/04; F02B 37/04; F02B 33/38; F02B 33/00; F02B 39/16; F02B 39/00; F04C 29/122; F04C 27/005; F04C 18/126; F16C 1/00; F04D 29/005; F04D 27/0269; F04D 29/424; F04D 29/4246; F04D 29/4253; F04D 25/088; F04D 29/22; F04D 17/08; F04D 29/28; F04D 1/00; F01D 17/146; F01D 17/143; F01D 17/16; F01D 17/148; F05D 2220/40; F05D 2250/70; F05D 2240/12; F21V 33/0096
See application file for complete search history.

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Assistant Examiner — Ania Aman

(57) **CLAIM**

The ornamental design for an impeller for superchargers, as shown and described.

DESCRIPTION

FIG. **1** is a front elevational view of an impeller for superchargers showing our new design;
FIG. **2** is a rear elevational view thereof;
FIG. **3** is a left side elevational view thereof;
FIG. **4** is a right side elevational view thereof;
FIG. **5** is a top plan view thereof;
FIG. **6** is a bottom plan view thereof;
FIG. **7** is a front perspective view thereof; and,
FIG. **8** is a rear perspective view thereof.

1 Claim, 8 Drawing Sheets

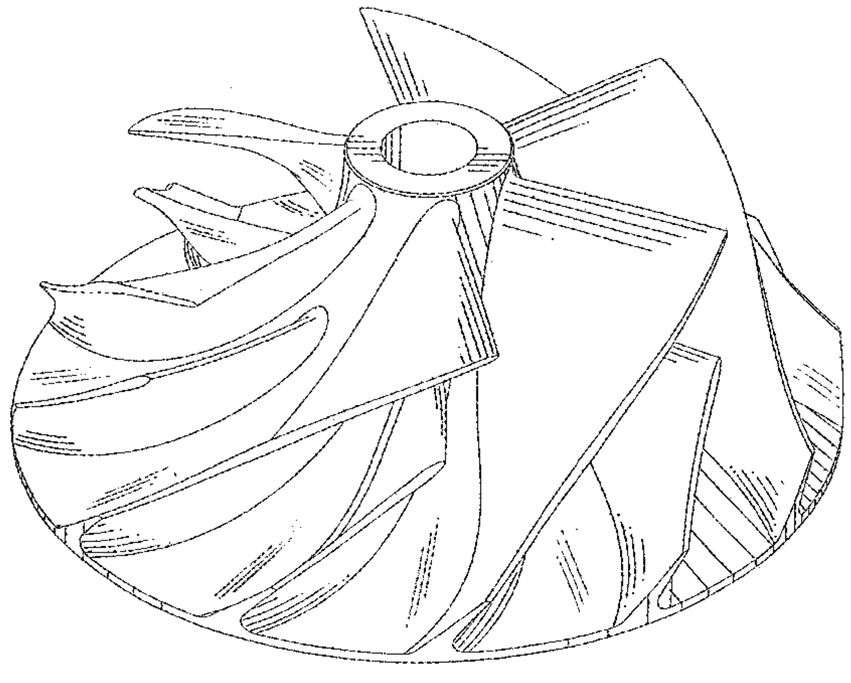

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Fig. 1

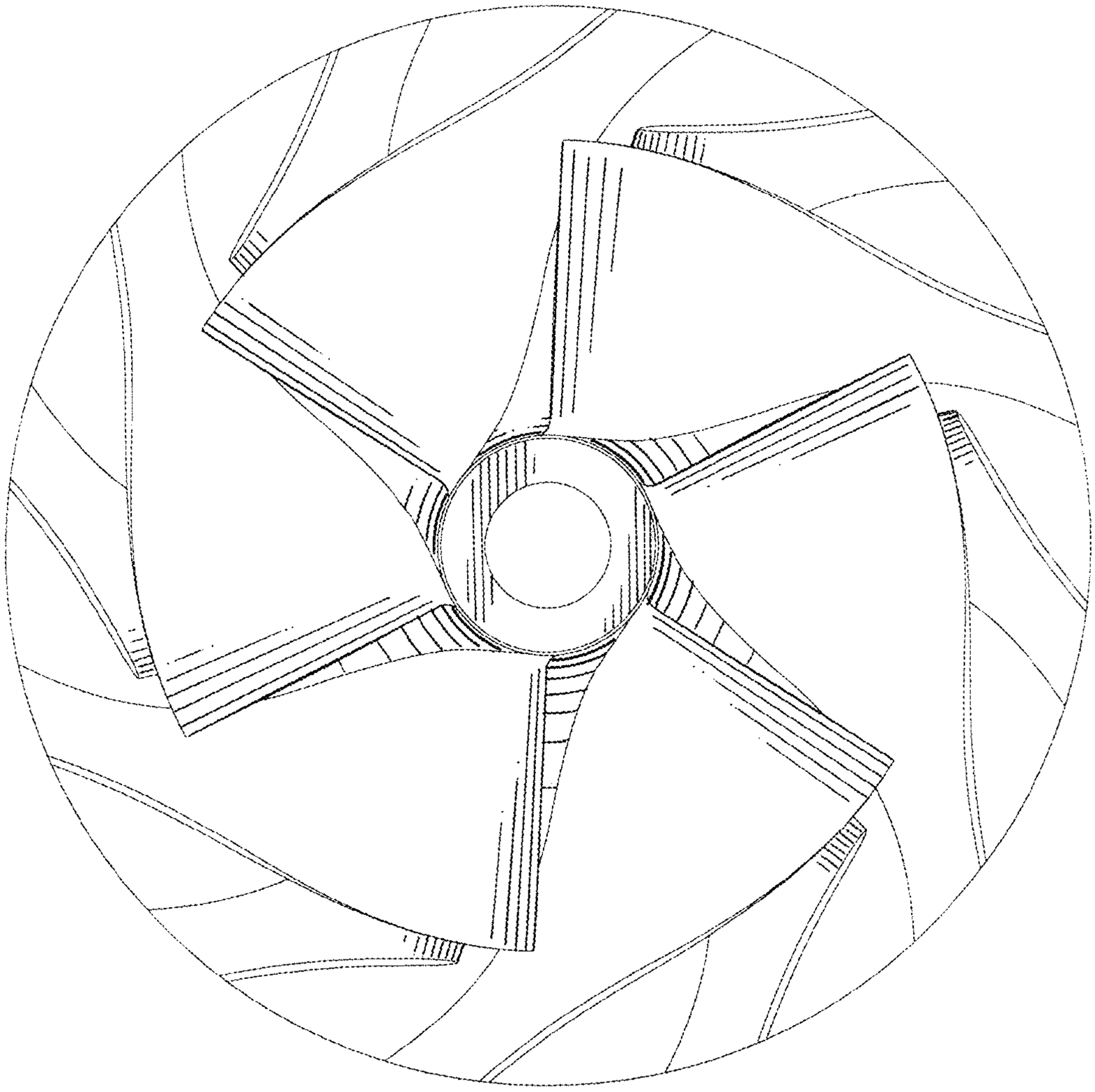

Fig. 2

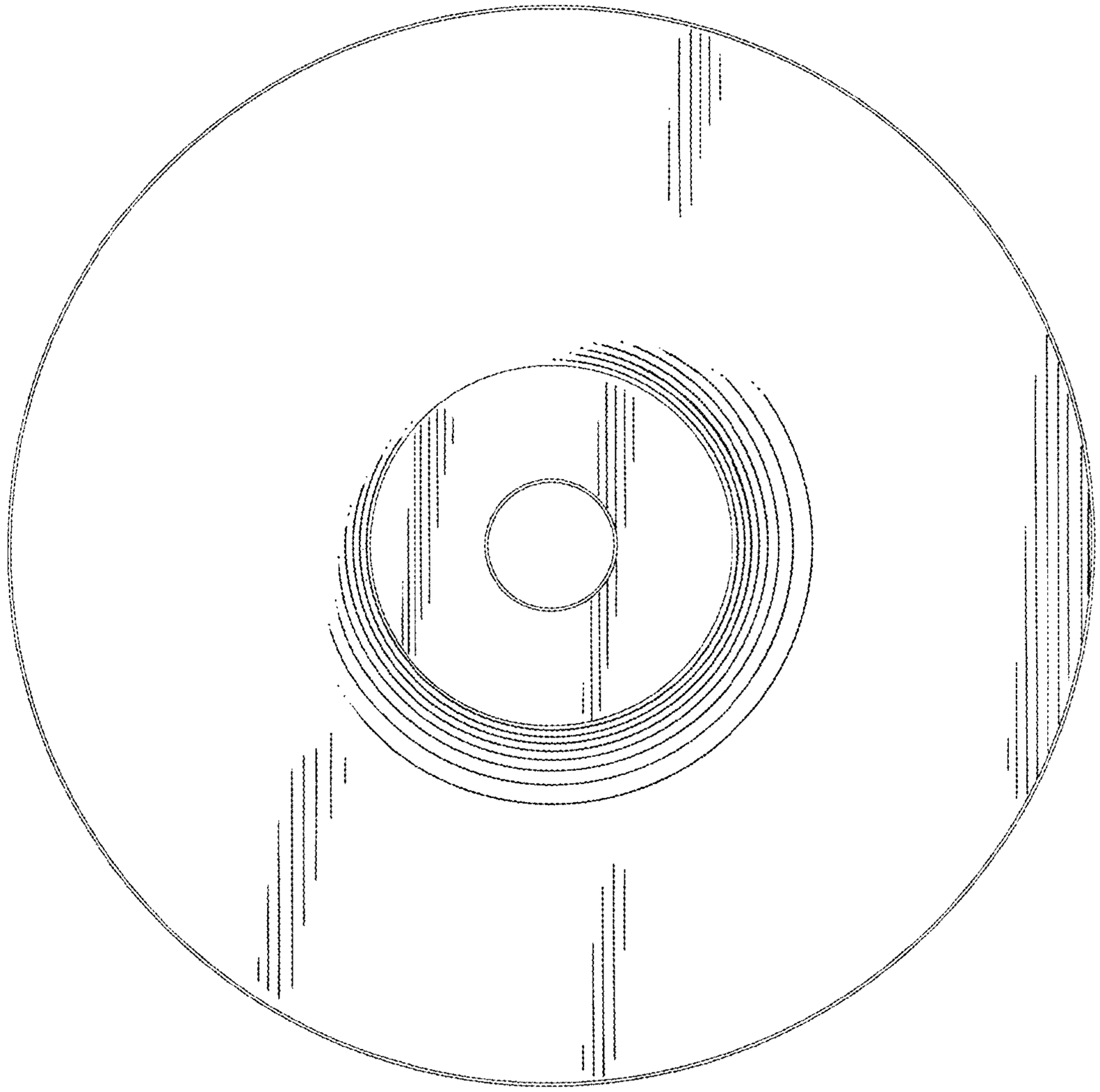

Fig. 3

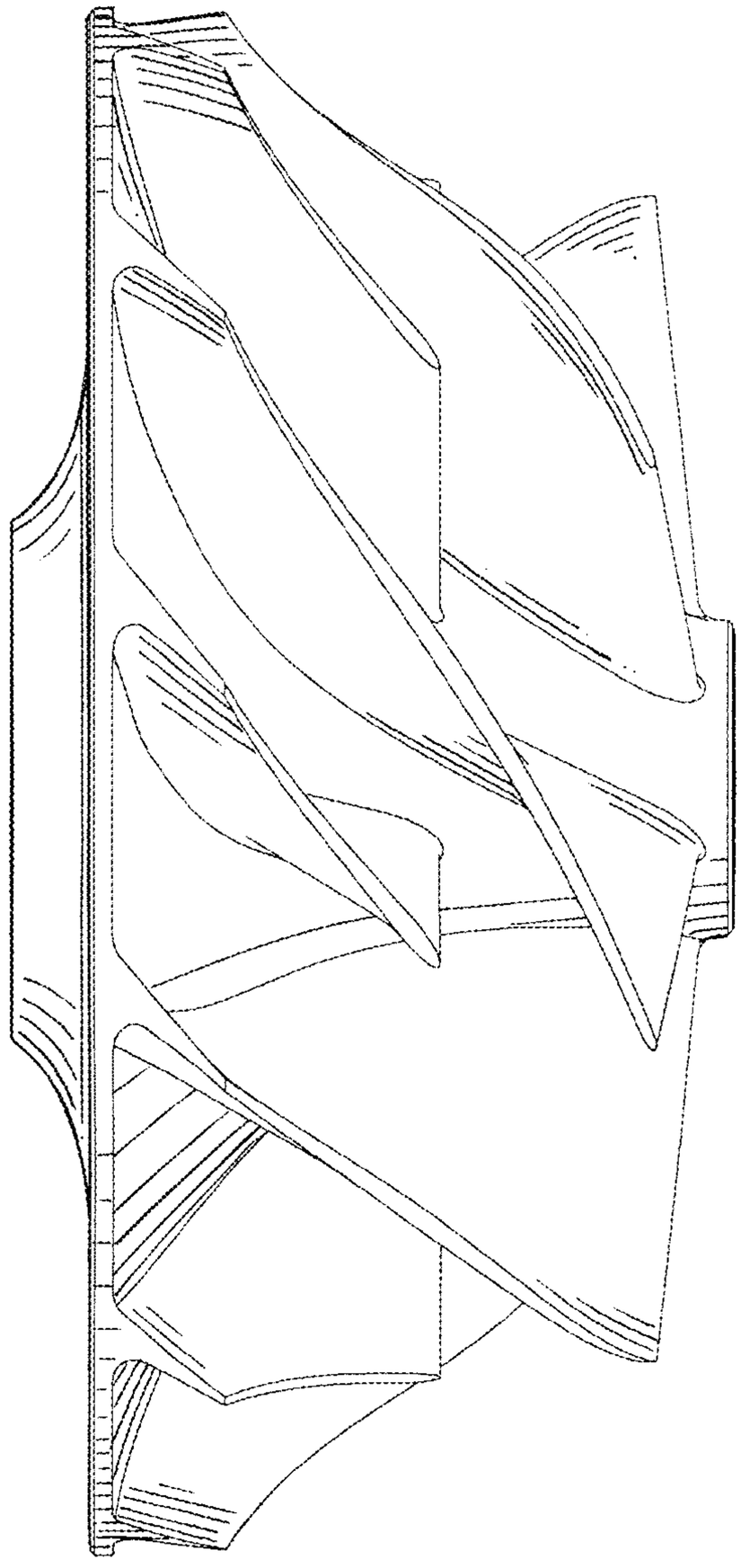

Fig. 4

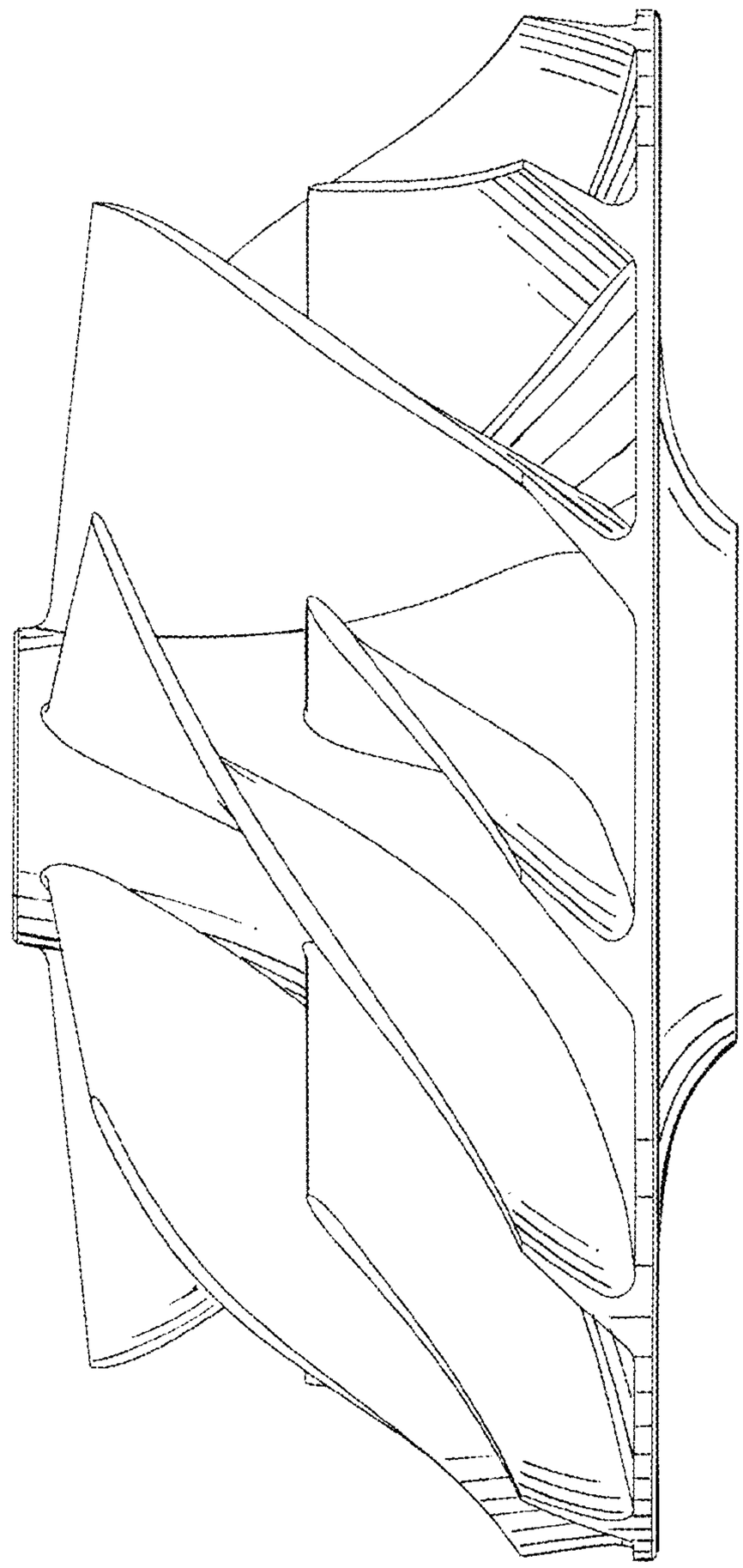

Fig. 5

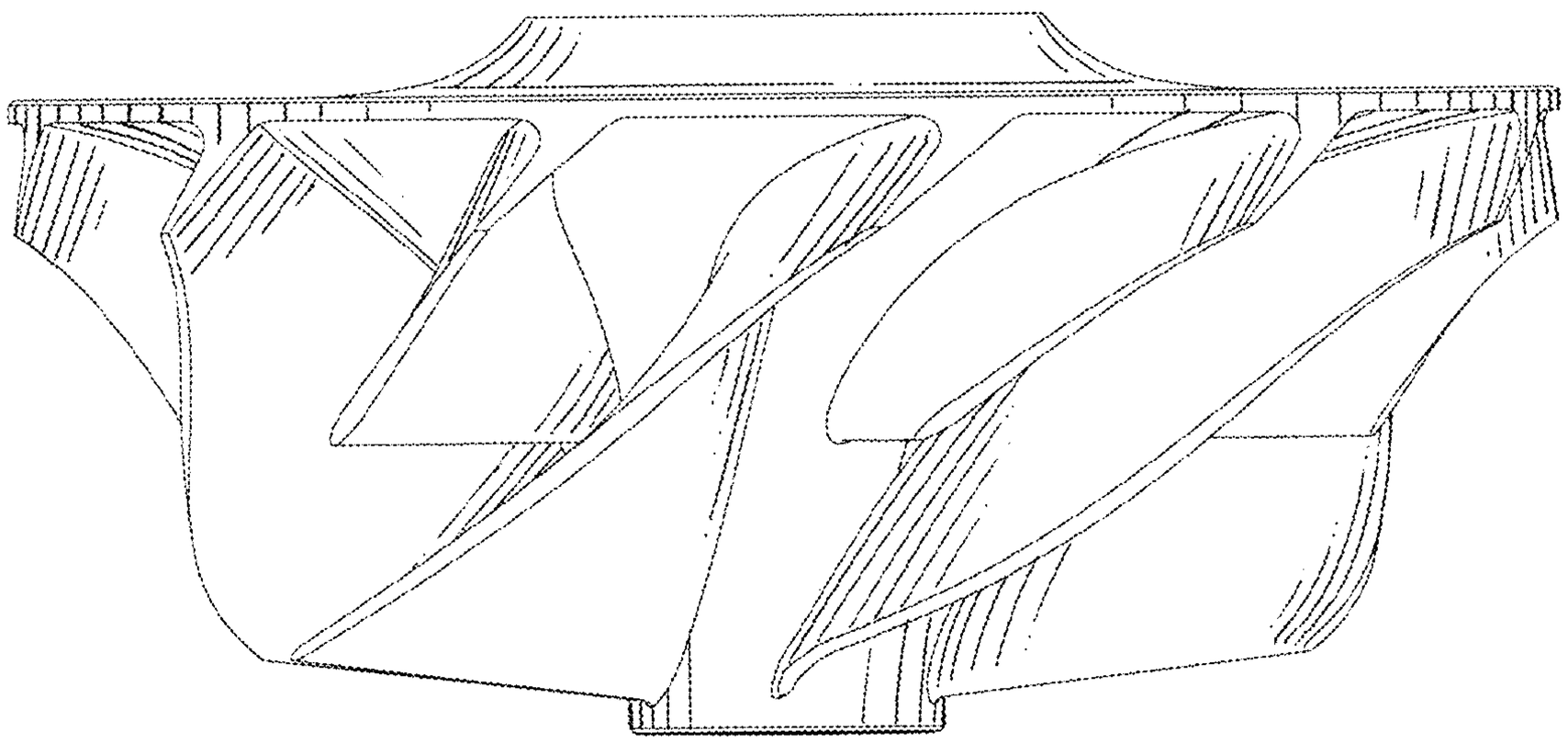

Fig. 6

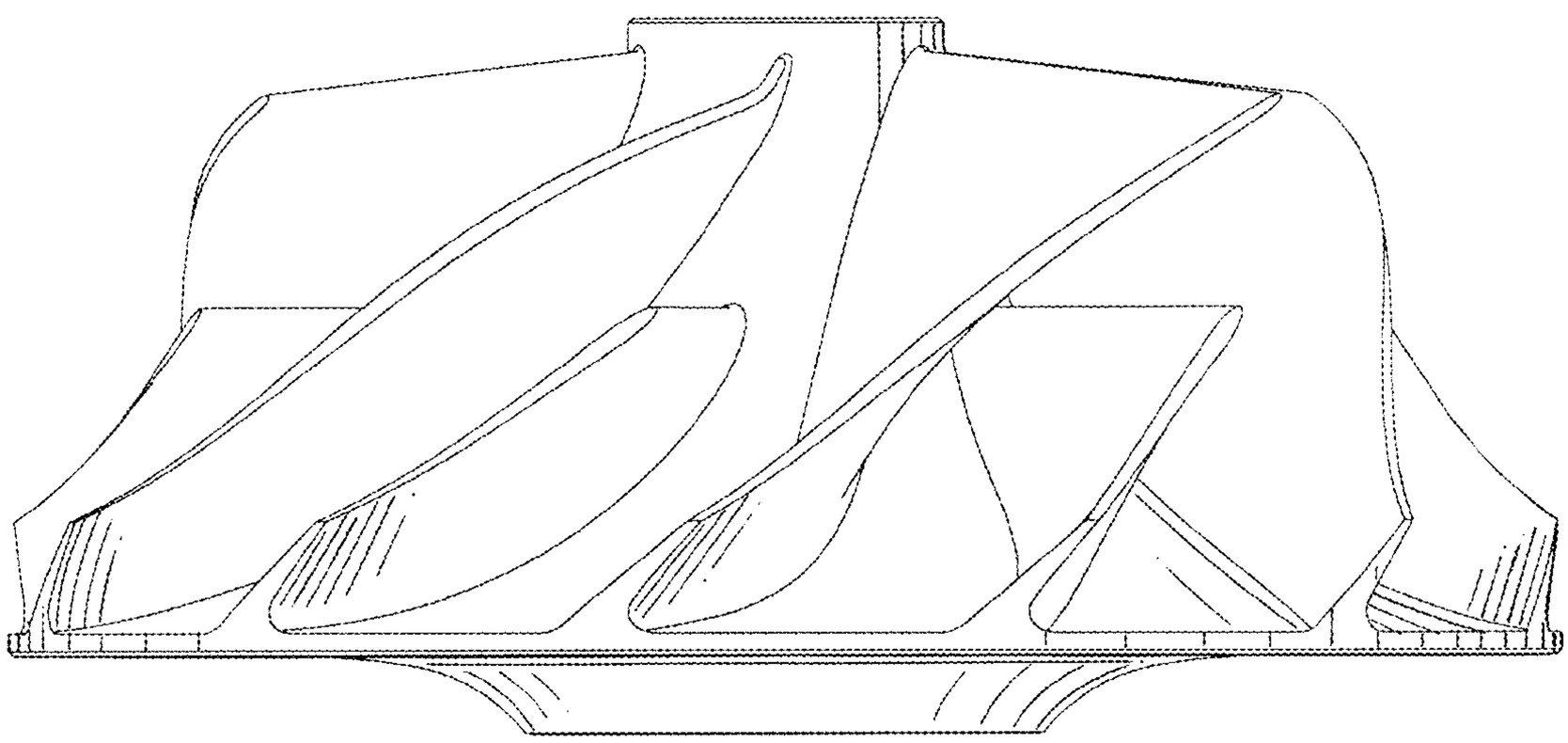

Fig. 7

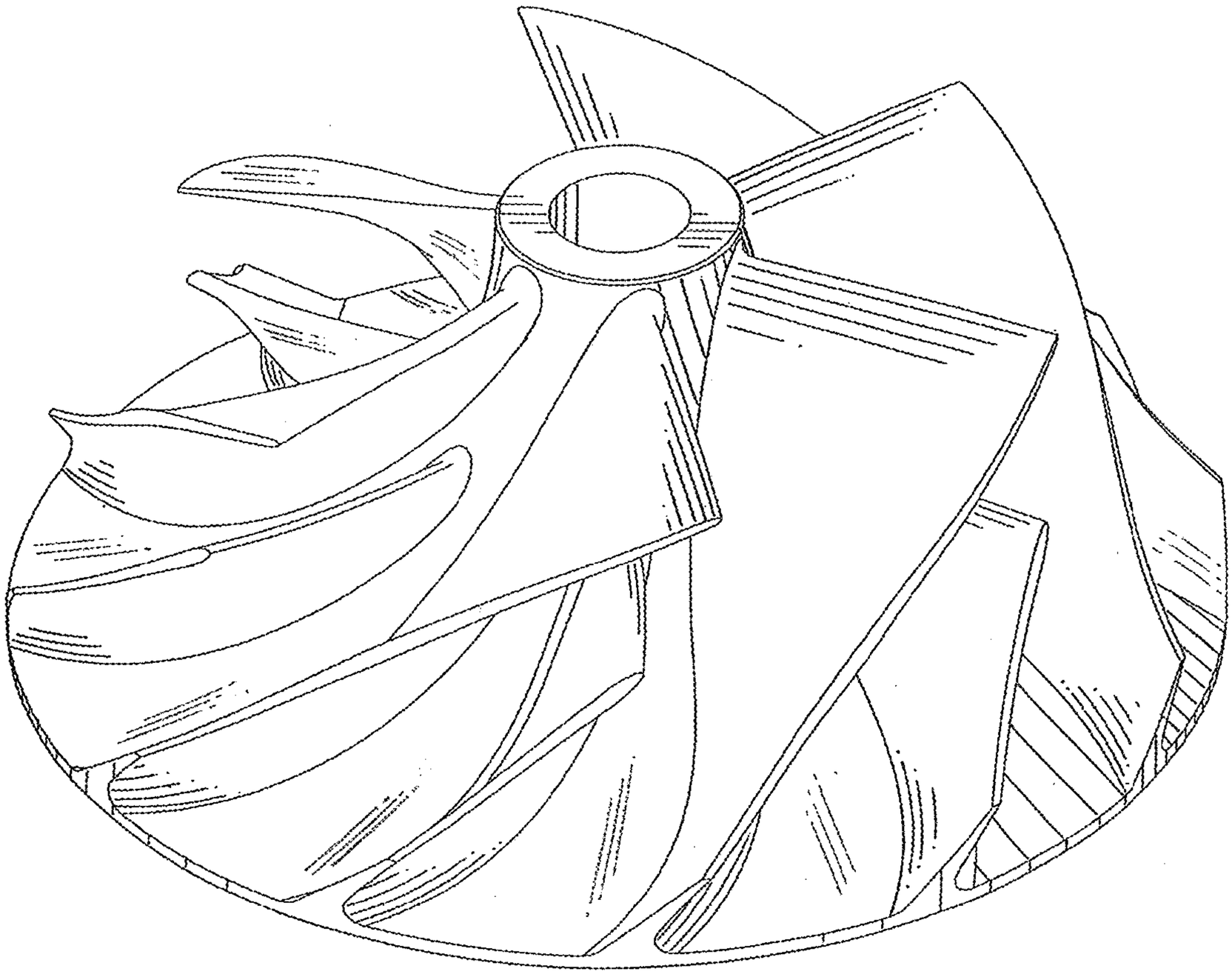

Fig. 8