



US00D870260S

(12) **United States Design Patent** (10) **Patent No.:** **US D870,260 S**
Teramoto et al. (45) **Date of Patent:** **** Dec. 17, 2019**

(54) **PROPELLER FAN**

(71) Applicant: **Mitsubishi Electric Corporation,**
Tokyo (JP)

(72) Inventors: **Takuya Teramoto,** Tokyo (JP); **Takashi Ikeda,** Tokyo (JP); **Yusuke Adachi,** Tokyo (JP); **Yuki Ugajin,** Tokyo (JP); **Shingo Hamada,** Tokyo (JP); **Hiroya Ito,** Tokyo (JP)

(73) Assignee: **Mitsubishi Electric Corporation,**
Tokyo (JP)

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

(21) Appl. No.: **29/635,500**

(22) Filed: **Jan. 31, 2018**

(30) **Foreign Application Priority Data**

Aug. 9, 2017 (JP) 2017-017173

(51) **LOC (12) Cl.** **23-03**

(52) **U.S. Cl.**
USPC **D23/411; D23/354**

(58) **Field of Classification Search**

USPC D23/314, 317, 324, 328, 332-342, 351,
D23/352, 354, 355, 356, 359, 362, 364,
D23/370-385, 386-389, 393, 397,
D23/411-414; D12/214, 317, 339, 344,
D12/345; D8/20; D9/561
CPC F04D 25/08; F04D 29/38; F04D 29/384;
F04D 29/386; F04D 29/325; F04D 25/02;
F04D 29/682; F04D 29/684

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D85,067	S	*	9/1931	Sterrett		D9/561
D419,669	S	*	1/2000	Shinshi		D23/411
D602,786	S	*	10/2009	Moriya		D9/435
D664,410	S	*	7/2012	Ritchie		D8/19
D740,680	S	*	10/2015	Christian		D9/561
D787,035	S	*	5/2017	Hamada		D23/354
D803,378	S	*	11/2017	Hamada		D23/370
2018/0003190	A1	*	1/2018	Hamada		F04D 29/34

* cited by examiner

Primary Examiner — Cathron C Brooks

Assistant Examiner — Sharon S Oum

(74) *Attorney, Agent, or Firm* — Studebaker & Brackett
PC

(57) **CLAIM**

The ornamental design for a propeller fan, as shown and described.

DESCRIPTION

FIG. 1 is a front, bottom and right side perspective view of a propeller fan, showing our new design;

FIG. 2 is a front view thereof;

FIG. 3 is a rear view thereof;

FIG. 4 is a top view thereof;

FIG. 5 is a bottom view thereof;

FIG. 6 is a left view thereof;

FIG. 7 is a right view thereof; and,

FIG. 8 is an enlarged partial view of the area indicated in FIG. 1.

The portions shown in light grey in the drawings illustrate portions of the propeller fan that form no part of the claimed design.

1 Claim, 6 Drawing Sheets

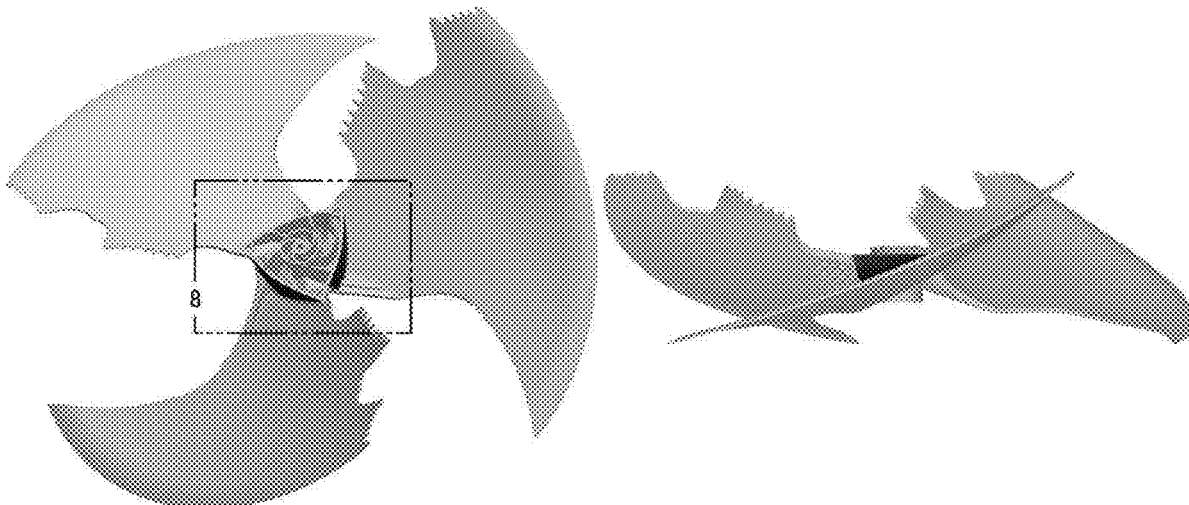


Fig. 1

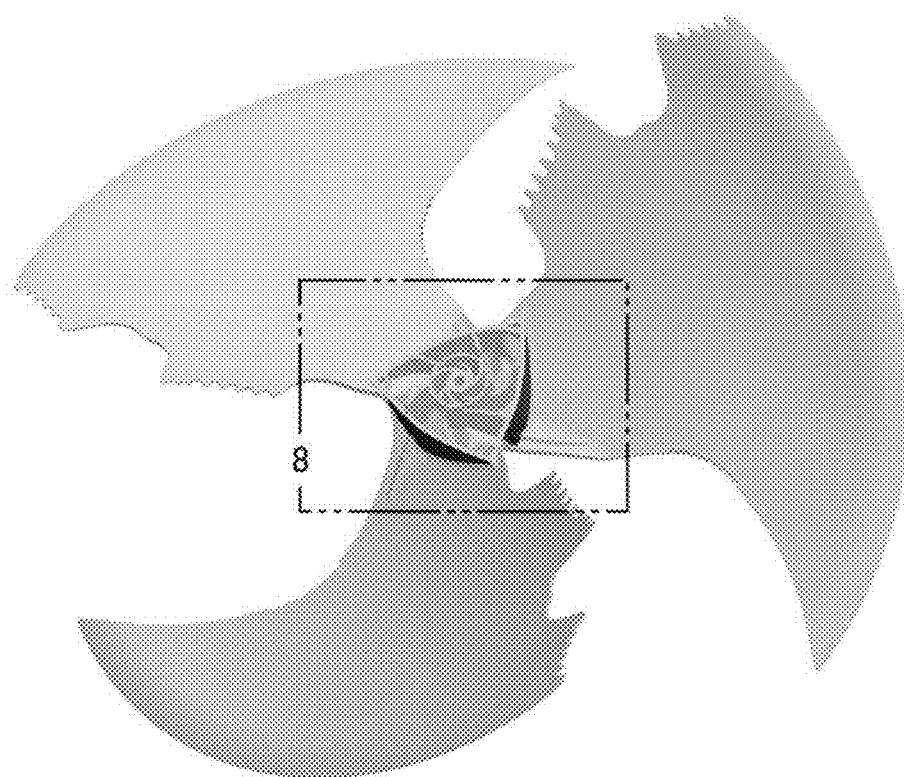


Fig. 2

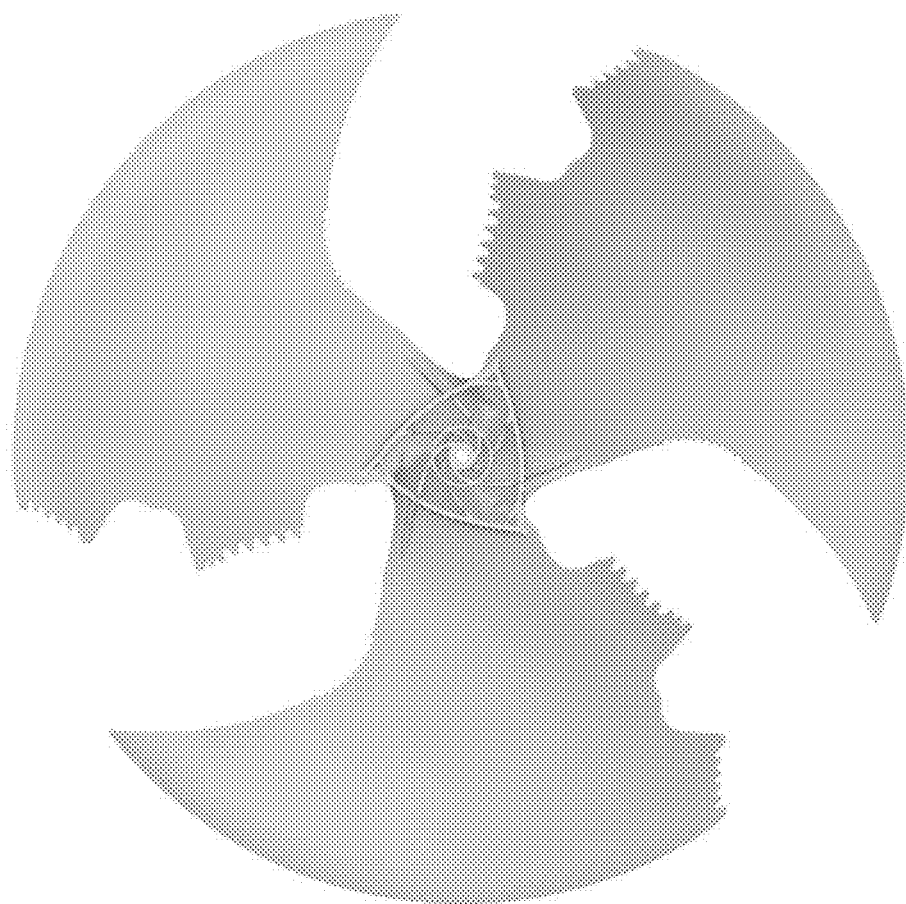


Fig. 3

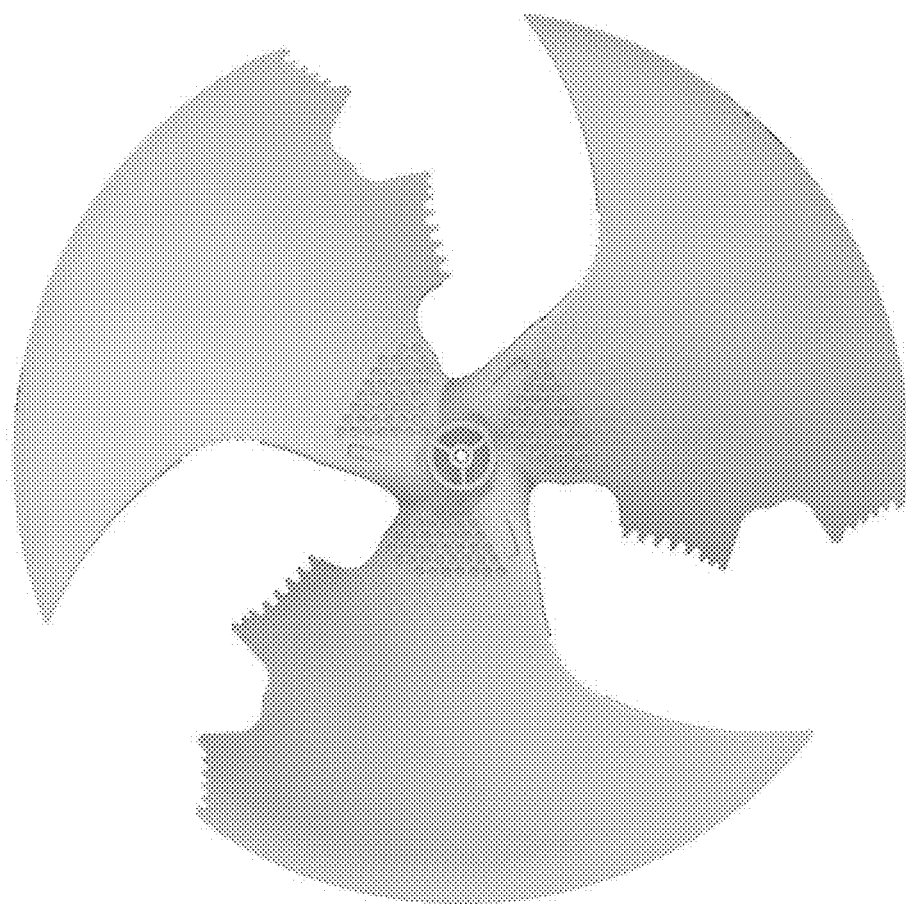


Fig. 4

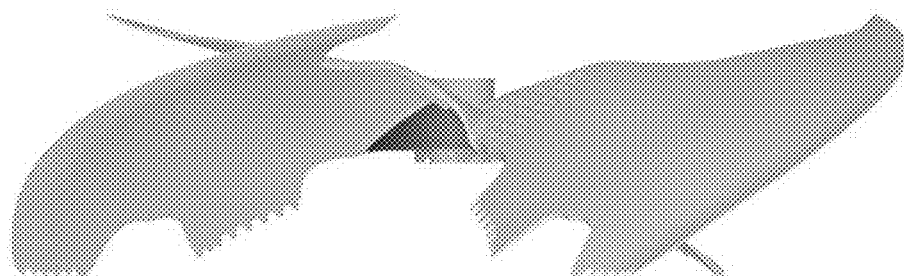


Fig. 5

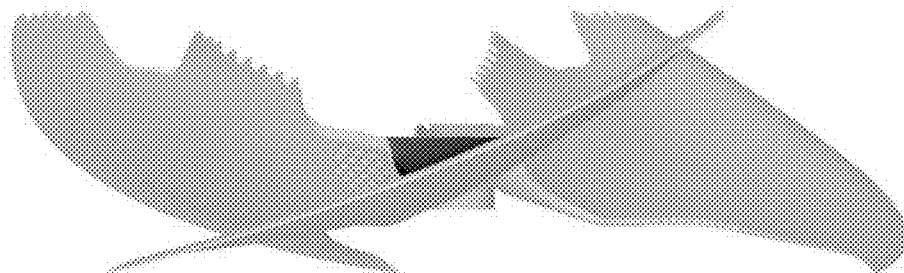


Fig. 6

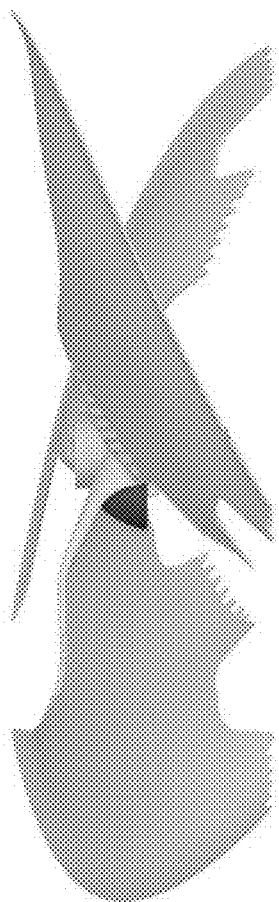


Fig. 7

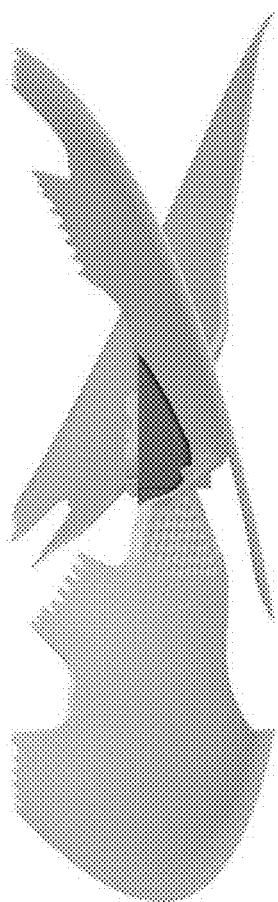


Fig. 8

