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High Efficiency Twisted Leaf Ceiling Fan.

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

(10) **Patent No.:** **US D609,329 S**
(45) **Date of Patent:** **** Feb. 2, 2010**

(54) **HIGH EFFICIENCY TWISTED LEAF
CEILING FAN**

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(**) Term: **14 Years**

(21) Appl. No.: **29/314,574**

(22) Filed: **Apr. 10, 2009**

Related U.S. Application Data

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2008, now Pat. No. Des. 597,197, which is a division of
application No. 29/244,044, filed on Dec. 2, 2005, now
Pat. No. Des. 575,864.

(51) **LOC (9) Cl.** **23-04**

(52) **U.S. Cl.** **D23/411**

(58) **Field of Classification Search** **D23/377,**
D23/379, 385, 411, 413; 416/5

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D364,224 S	11/1995	Wang
D371,838 S	7/1996	Davis, Jr. et al.
D378,404 S	3/1997	Jaspers-Fayer
D402,026 S	12/1998	Chuang et al.
D408,518 S	4/1999	Liu
D412,571 S	8/1999	Lee
D414,856 S	10/1999	Zuege
D421,799 S	3/2000	Zuege
D422,072 S	3/2000	Blateri
6,039,541 A	3/2000	Parker et al.
D443,352 S	6/2001	Lantz
D451,997 S	12/2001	Schwartz
D454,636 S	3/2002	Lantz
D469,950 S	2/2003	Scalise et al.

D480,471 S	10/2003	Hsieh
D480,473 S	10/2003	Thomas, Jr.
D484,233 S	12/2003	Bucher et al.
6,659,721 B1	12/2003	Parker et al.
D485,345 S	1/2004	Bucher
D485,346 S	1/2004	Bucher et al.
6,719,532 B2	4/2004	Bird
6,719,533 B2	4/2004	Bird

(Continued)

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(57) **CLAIM**

The ornamental design for a high efficiency twisted leaf ceiling fan, as shown and described.

DESCRIPTION

FIG. 1 is a bottom perspective view of a ceiling fan with the above novel twisted blades.

FIG. 2 is a top perspective view of the ceiling fan with novel blades of FIG. 1.

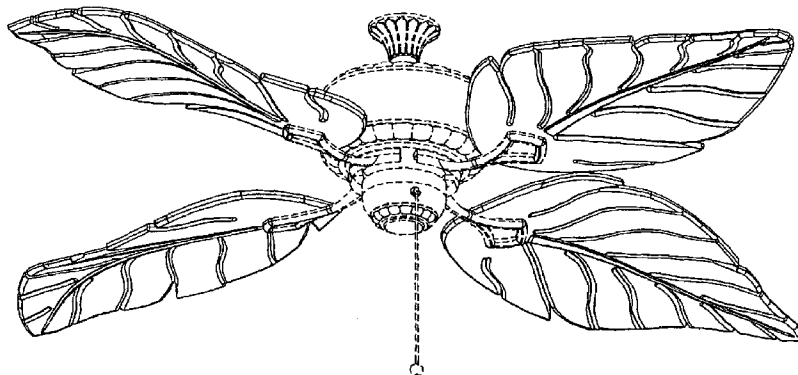
FIG. 3 is a side perspective view of the ceiling fan with novel blades of FIG. 1.

FIG. 4 is a bottom view of the ceiling fan with novel blades of FIG. 1; and,

FIG. 5 is a top view of the ceiling fan with novel blades of FIG. 1.

The broken lines showing mounting holes in FIGS. 1–5 are for illustrative purposes and form no part of the claimed design, and the broken lines showing a ceiling mounting cap, motor housing, canopy and pull chain in FIGS. 1–5 are for illustrative purposes and form no part of the claimed design.

1 Claim, 5 Drawing Sheets



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U.S. PATENT DOCUMENTS

6,733,241 B2 5/2004 Bird
D491,657 S 6/2004 Cartwright
6,884,034 B1 4/2005 Parker et al.
6,890,155 B2 5/2005 Cartwright
D510,992 S 10/2005 Bucher

D516,712 S 3/2006 Pickett
D517,685 S 3/2006 Frampton
D565,173 S 3/2008 Bucher et al.
D575,864 S * 8/2008 Parker et al. D23/413
D597,197 S * 7/2009 Parker et al. D23/413

* cited by examiner

FIG. 1

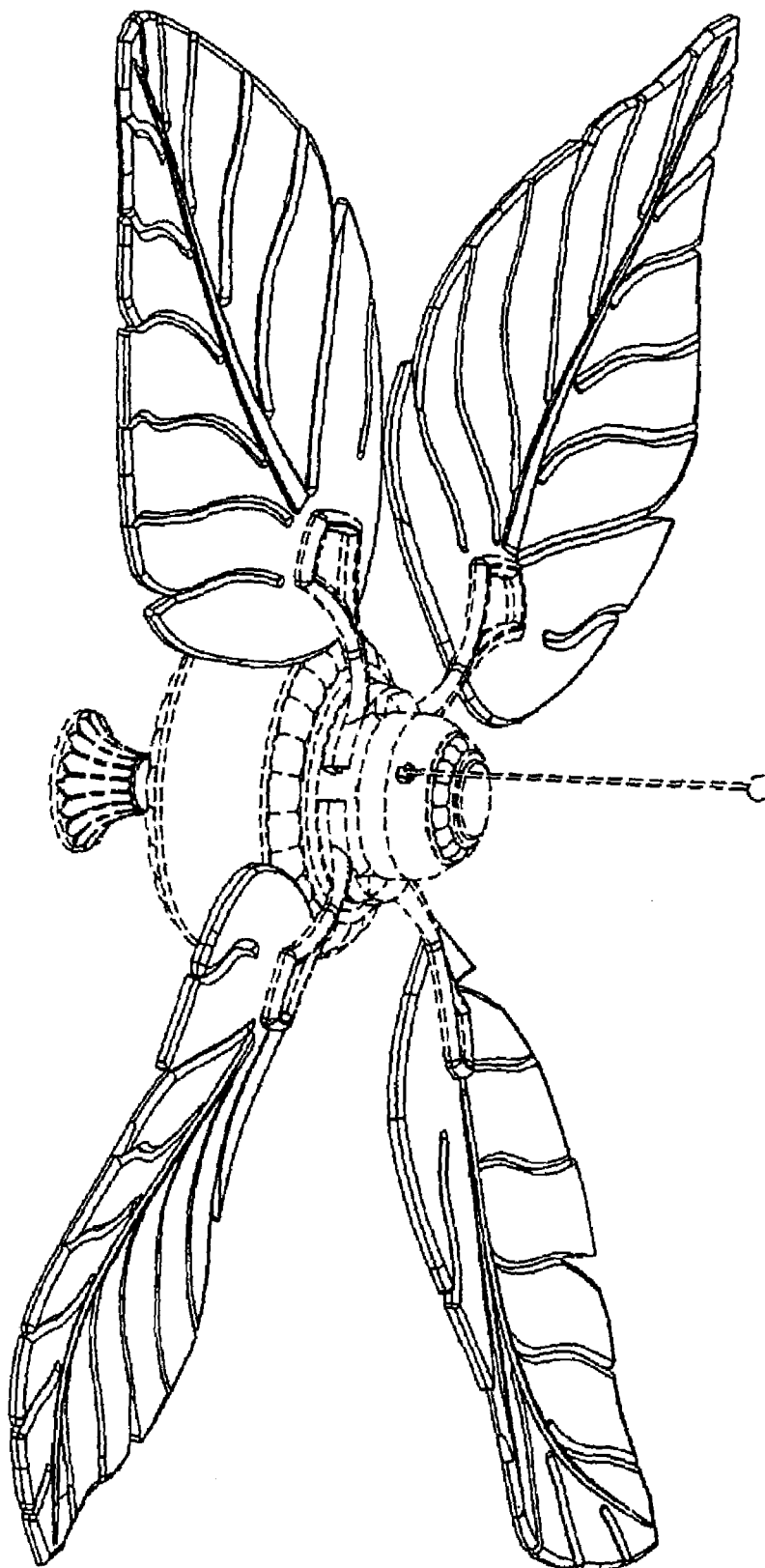


FIG. 2

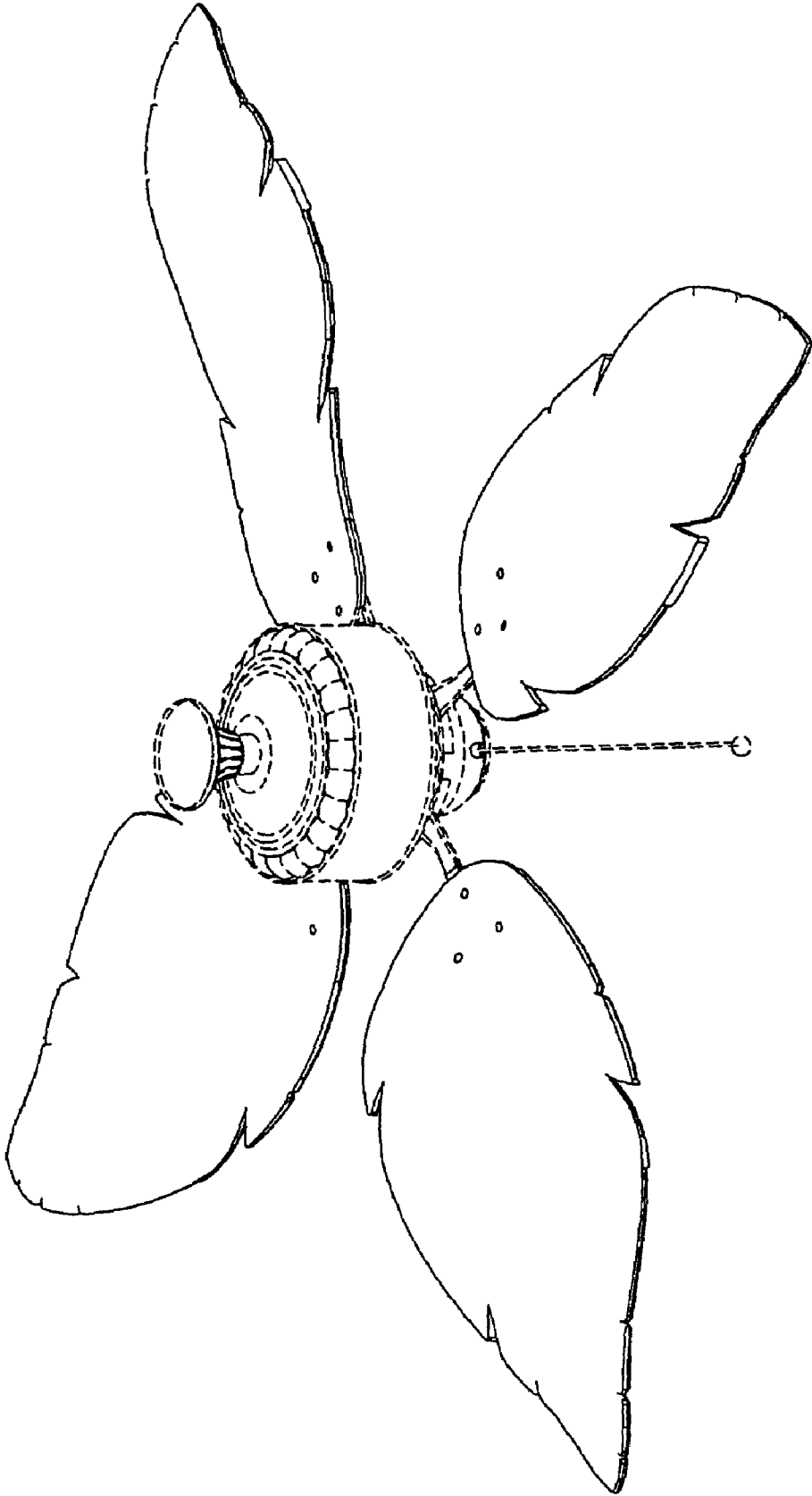
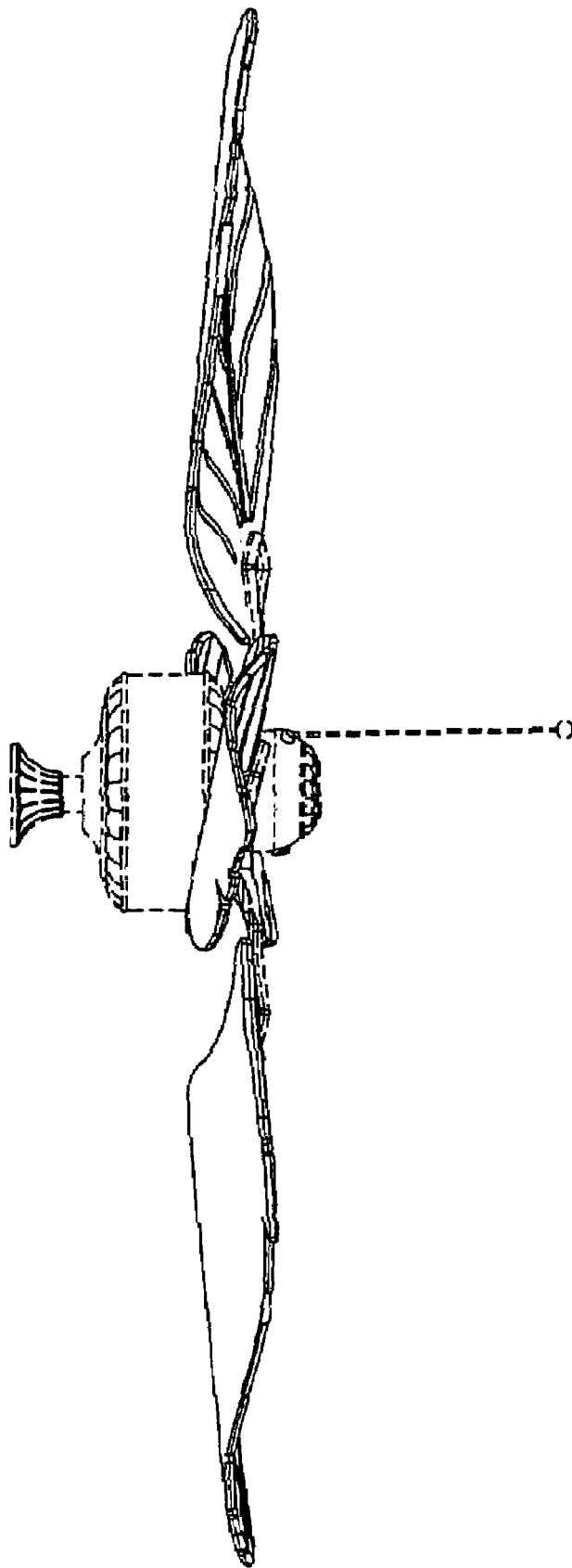


FIG. 3



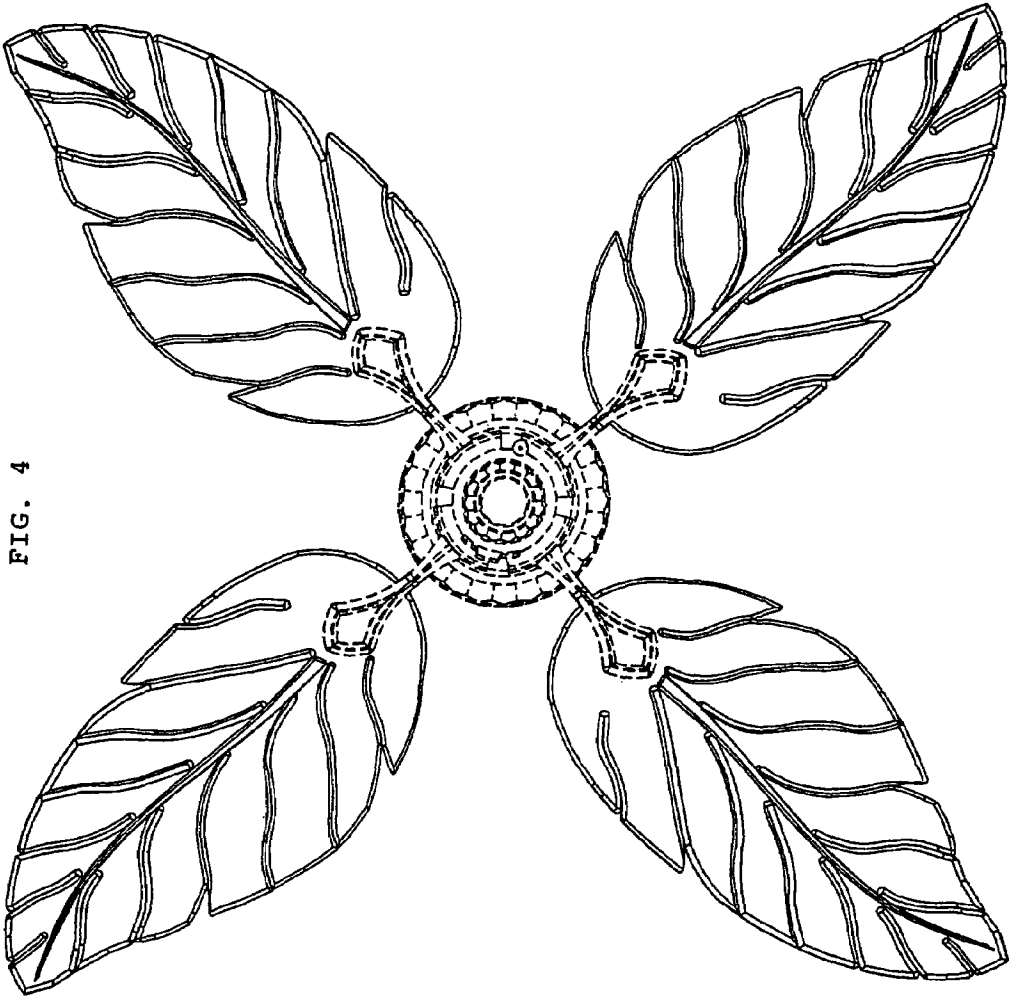


FIG. 4

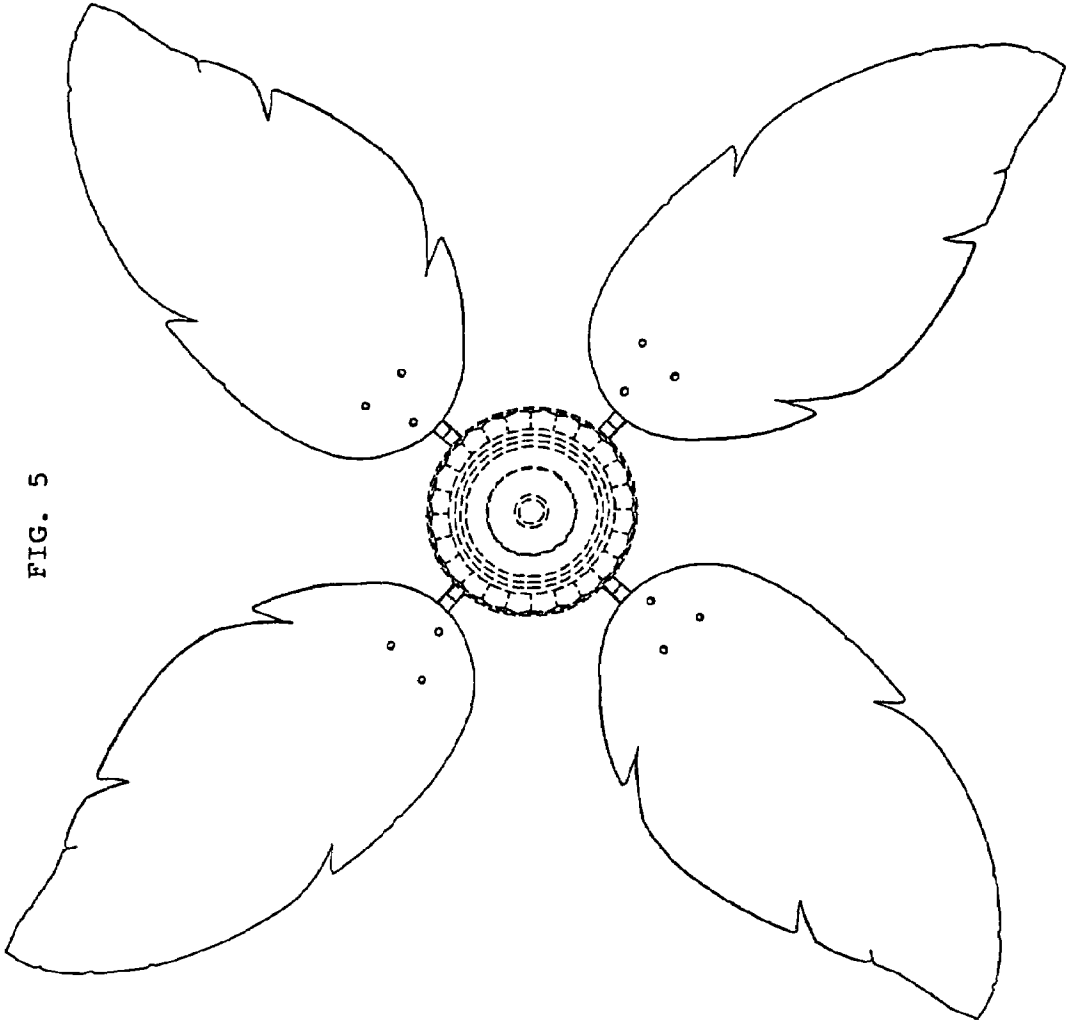


FIG. 5