



US00D383368S

# United States Patent [19]

[11] Patent Number: Des. 383,368

Achterberg et al.

[45] Date of Patent: \*\*Sep. 9, 1997

[54] SAW BLADE WITH VENTS

[75] Inventors: **Nicholas E. Achterberg**, Phoenix;  
**David A. Williams**, Bel Air, both of  
Md.; **John R. Curtsinger**, Shelbyville,  
Ky.

4,333,371 6/1982 Matsuda .  
4,417,833 11/1983 Wertheimer .  
4,445,413 5/1984 Ohwada .  
4,574,676 3/1986 Jansen-Herfeld .  
4,776,251 10/1988 Carter, Jr. .  
4,794,835 1/1989 Fujiyoshi .  
4,821,617 4/1989 Fjelkner et al. .  
4,848,205 7/1989 Suzuki et al. .  
5,078,035 1/1992 Moller et al. .  
5,182,976 2/1993 Wittkopp .  
5,191,819 3/1993 Hoshi .  
5,351,595 10/1994 Johnston .  
5,365,986 11/1994 Hooser .

[73] Assignee: **Black & Decker Inc.**, Newark, Del.

[\*\*] Term: 14 Years

[21] Appl. No.: 51,681

[22] Filed: Mar. 15, 1996

[51] LOC (6) Cl. .... 08-05

[52] U.S. Cl. .... D8/74

[58] Field of Search ..... D8/74; 30/346,  
30/347, 388; 83/835, 846; 125/15, 18; 144/218,  
223

### FOREIGN PATENT DOCUMENTS

0102626 9/1983 European Pat. Off. .  
0243909 1/1987 European Pat. Off. .  
0239676 5/1989 European Pat. Off. .

(List continued on next page.)

*Primary Examiner*—Antoine Duval Davis  
*Attorney, Agent, or Firm*—Charles E. Yocum; Dennis A.  
Dearing; John D. Del Ponti

### [56] References Cited

#### U.S. PATENT DOCUMENTS

Re. 13,300 10/1911 Williams et al. .  
88,949 4/1869 Emerson .  
191,198 5/1877 Tilton .  
199,852 1/1878 Milligan .  
212,813 3/1879 Miller .  
213,439 3/1879 Miller .  
D. 266,001 8/1982 Wertheimer .  
D. 321,634 11/1991 Inue ..... D8/70  
D. 337,713 7/1993 Johnston .  
D. 341,304 11/1993 Johnston .  
D. 345,683 4/1994 Johnston .  
411,189 9/1889 Grey ..... 125/15 X  
635,509 10/1899 Trunnel .  
788,236 4/1905 Bartholomew .  
1,083,645 1/1914 Wettstein .  
1,711,102 4/1929 Sierra, Jr. .  
2,256,847 9/1941 Osenberg .  
2,903,782 9/1959 Cowley .  
3,176,455 4/1965 Buchanan .  
3,700,016 10/1972 Strobel .  
3,872,763 3/1975 Kayahara .  
3,981,216 9/1976 Lemmon .  
4,106,382 8/1978 Salje et al. .  
4,232,580 11/1980 Stewart .  
4,240,315 12/1980 Tuomaala .

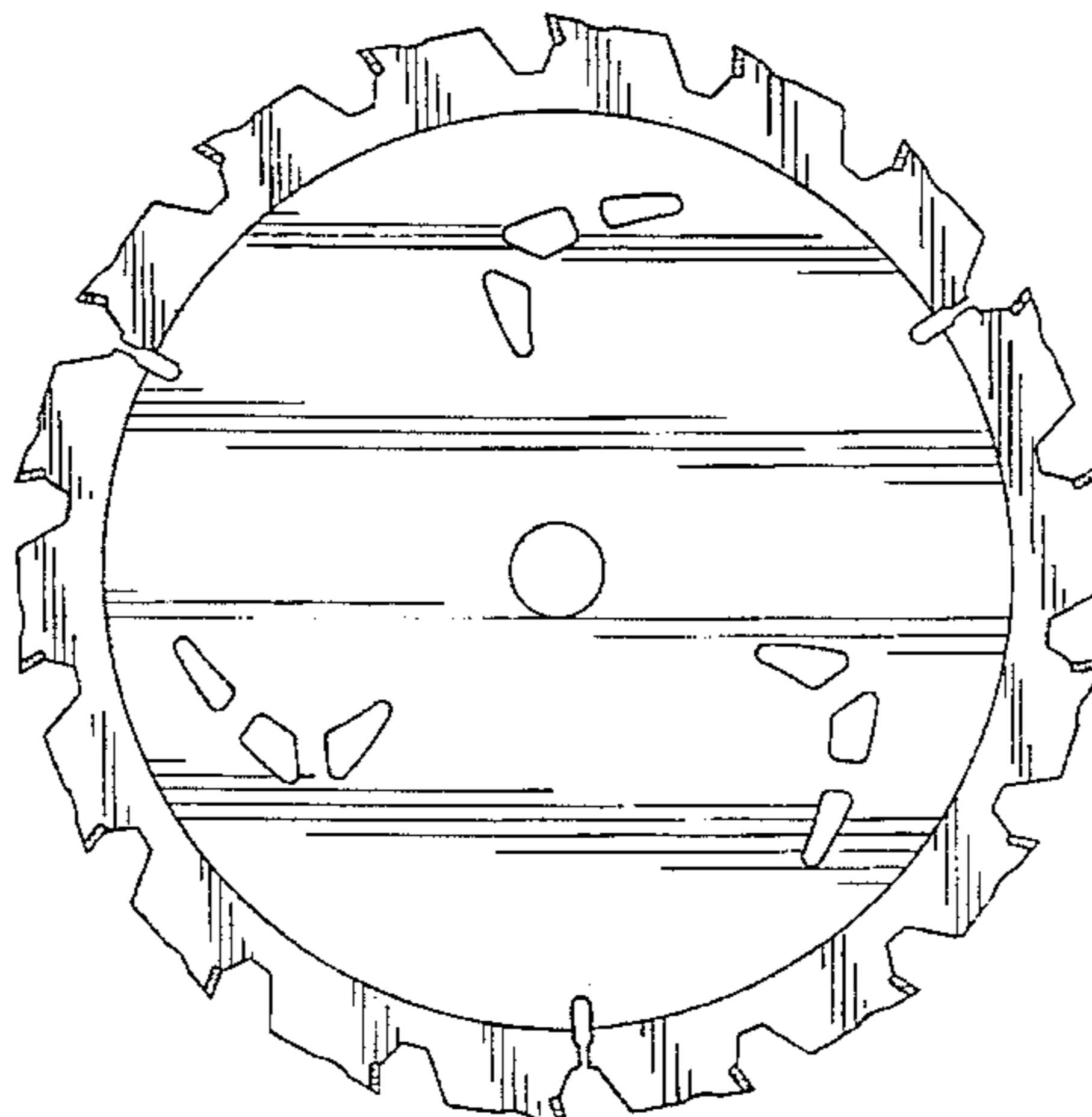
### [57] CLAIM

The ornamental design for a saw blade with vents, as shown and described.

### DESCRIPTION

FIG. 1 is a top plan view of one embodiment of the saw blade with vents of the present invention, the bottom plan view being a mirror image of FIG. 1;  
FIG. 2 is a left-side elevational view of the saw blade with vents of FIG. 1;  
FIG. 3 is a right-side elevational view of the saw blade with vents of FIG. 1;  
FIG. 4 is a top side elevational view of the saw blade with vents of FIG. 1;  
FIG. 5 is a bottom side elevational view of the saw blade with vents of FIG. 1; and,  
FIG. 6 is a top plan view of a second embodiment of the saw blade with vents of the present invention, the bottom plan view being a mirror image of FIG. 6, and all four side elevational views thereof being the same as FIGS. 2 through 5, respectively.

1 Claim, 3 Drawing Sheets



## FOREIGN PATENT DOCUMENTS

|         |         |                      |           |         |                  |
|---------|---------|----------------------|-----------|---------|------------------|
| 0376676 | 1/1990  | European Pat. Off. . | 3804400   | 8/1989  | Germany .        |
| 0369120 | 1/1990  | European Pat. Off. . | 3605624   | 9/1989  | Germany .        |
| 0303770 | 7/1991  | European Pat. Off. . | 8224874   | 7/1993  | Germany .        |
| 0578625 | 1/1994  | European Pat. Off. . | 4243480   | 6/1994  | Germany .        |
| 0598389 | 5/1994  | European Pat. Off. . | 1264716   | 1/1989  | Japan .          |
| 0640422 | 3/1995  | European Pat. Off. . | 4-43001   | 1/1992  | Japan .          |
| 1050987 | 2/1959  | Germany .            | 4-53701   | 1/1992  | Japan .          |
| 2654625 | 6/1978  | Germany .            | 4-02410   | 1/1992  | Japan .          |
| 2703825 | 8/1978  | Germany .            | 484988    | 11/1975 | U.S.S.R. .       |
| 3234499 | 3/1984  | Germany .            | 0802020   | 2/1981  | U.S.S.R. .       |
| 3310247 | 10/1984 | Germany .            | 1146197   | 3/1985  | U.S.S.R. .       |
| 3346321 | 7/1985  | Germany .            | 2107641   | 5/1983  | United Kingdom . |
| 8324657 | 1/1986  | Germany .            | WO8501242 | 3/1985  | WIPO .           |
| 8703531 | 8/1987  | Germany .            | WO8705556 | 9/1987  | WIPO .           |
| 8711983 | 12/1987 | Germany .            | 890967    | 10/1989 | WIPO .           |
|         |         |                      | 9308969   | 5/1993  | WIPO .           |

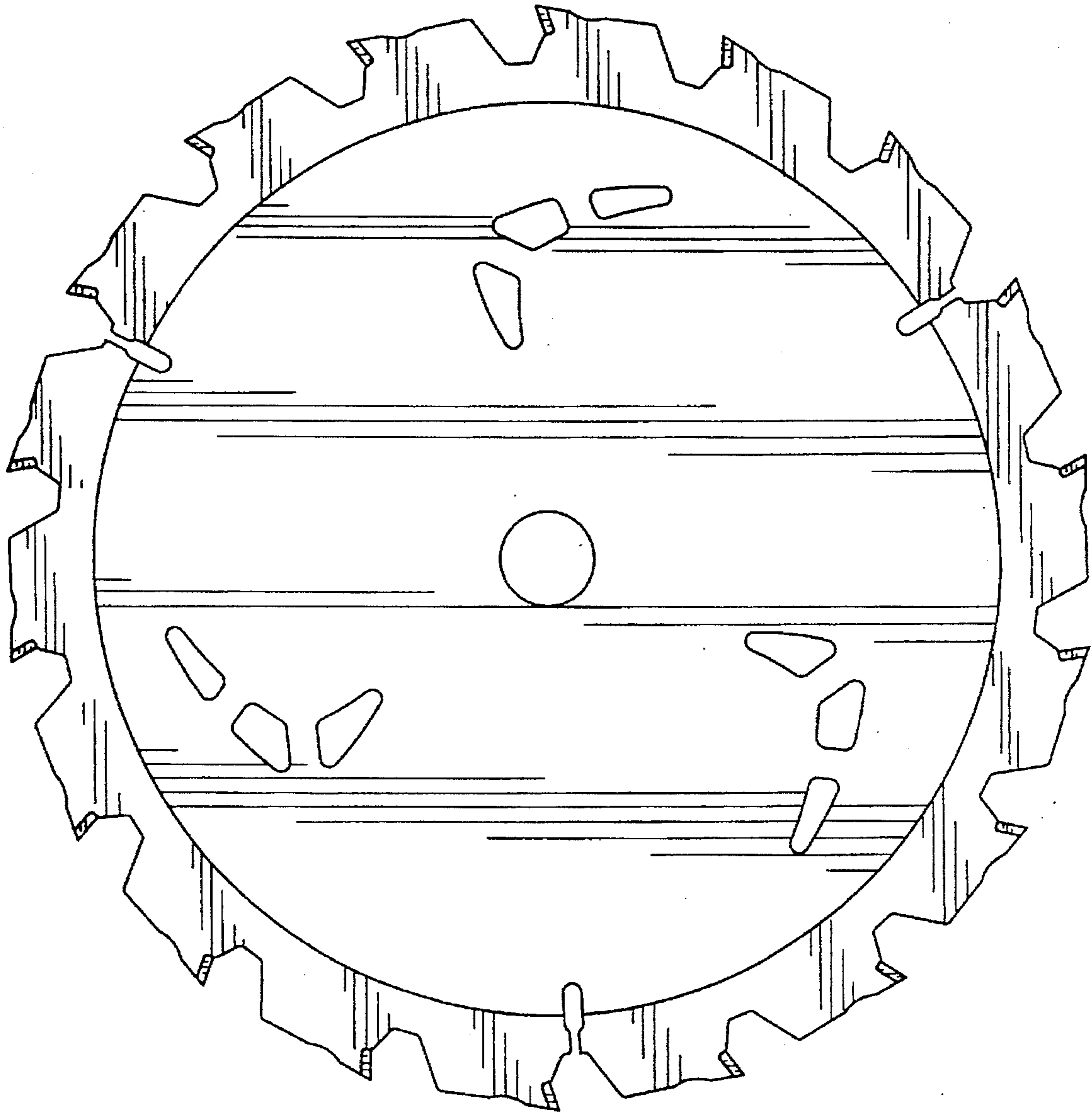


FIG. 1



FIG. 2

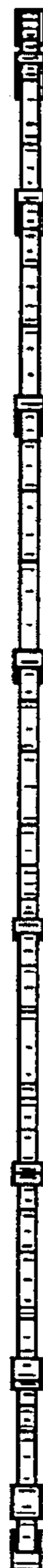


FIG. 3



FIG. 4



FIG. 5



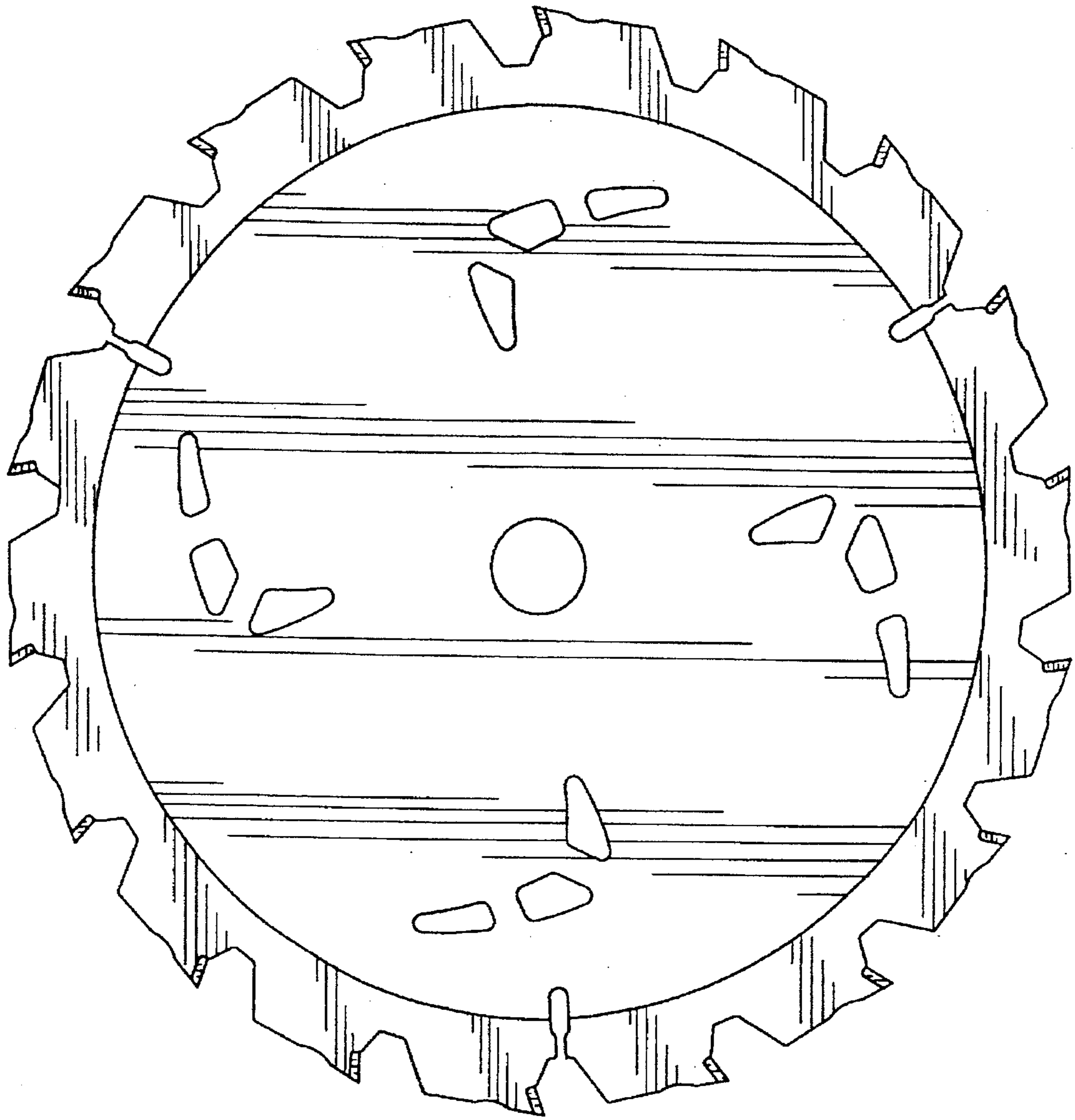


FIG. 6