



US00D748695S

(12) **United States Design Patent**
Norton

(10) **Patent No.:** **US D748,695 S**

(45) **Date of Patent:** **** Feb. 2, 2016**

(54) **ABRASIVE GRINDING CUP WHEEL**

(71) Applicant: **Mathew Raymund Norton**, Sunnybank Hills (AU)

(72) Inventor: **Mathew Raymund Norton**, Sunnybank Hills (AU)

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

(21) Appl. No.: **29/502,888**

(22) Filed: **Sep. 19, 2014**

(30) **Foreign Application Priority Data**

Mar. 24, 2014 (AU) 2014/11355

(51) **LOC (10) Cl.** **15-09**

(52) **U.S. Cl.**
USPC **D15/126**

(58) **Field of Classification Search**

USPC D15/124-134, 138-143, 28-29, 9, 17;
D10/64, 65; D8/70, 8, 66; D7/412;
82/113; 83/471.3

CPC B23D 45/044-45/048; B21D 17/04;
B23K 7/006; B23B 5/162; B23B 5/163;
B24D 7/06; B24D 7/12

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

2,564,217 A * 8/1951 Taylor 451/541
D477,207 S * 7/2003 Kim et al. D8/70
D494,196 S * 8/2004 Jeong D15/126

D547,337 S * 7/2007 Park D15/126
D548,757 S * 8/2007 Ruan D15/126
D555,180 S * 11/2007 Amamoto et al. D15/126
D589,541 S * 3/2009 Park D15/126
2003/0054746 A1* 3/2003 Nussbaumer et al. 451/548
2007/0254568 A1* 11/2007 Park 451/548
2008/0102149 A1* 5/2008 Williams 425/190
2013/0331015 A1* 12/2013 Kimoto et al. 451/548

* cited by examiner

Primary Examiner — Susan Bennett Hattan

Assistant Examiner — Brett Miller

(74) *Attorney, Agent, or Firm* — Buche & Associates, P.C.;
John K. Buche

(57) **CLAIM**

The ornamental design for an abrasive grinding cup wheel, as shown and described.

DESCRIPTION

FIG. 1 is a perspective view of an abrasive grinding cup wheel.

FIG. 2 is a front view of the abrasive grinding cup wheel of FIG. 1.

FIG. 3 is a back view of the abrasive grinding cup wheel of FIG. 1.

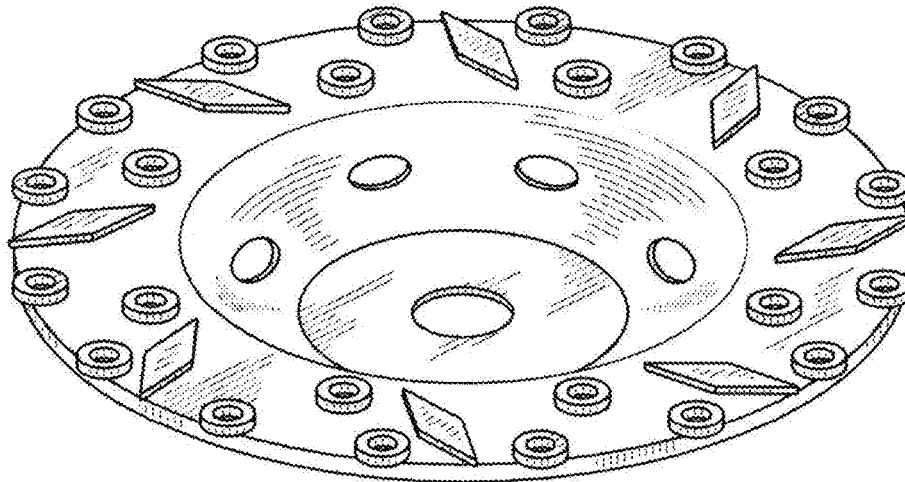
FIG. 4 is a right side view of the abrasive grinding cup wheel of FIG. 1.

FIG. 5 is a left side view of the abrasive grinding cup wheel of FIG. 1.

FIG. 6 is a bottom view of the abrasive grinding cup wheel of FIG. 1; and,

FIG. 7 is a top view of the abrasive grinding cup wheel of FIG. 1.

1 Claim, 5 Drawing Sheets



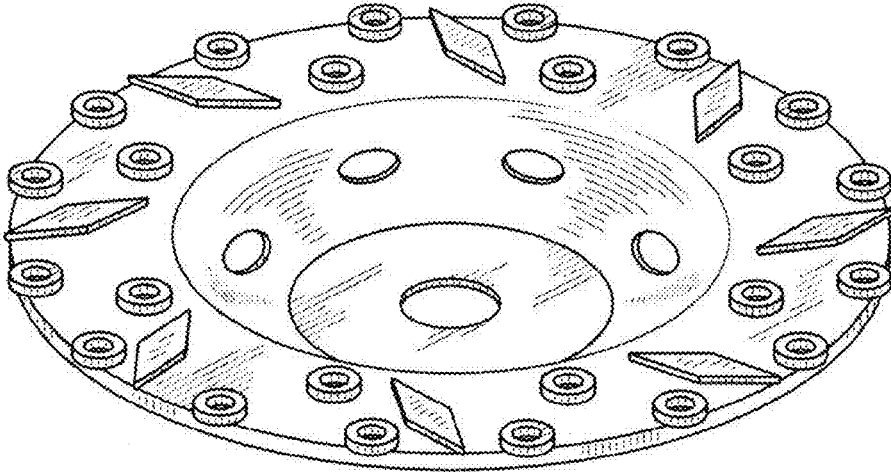


FIG. 1

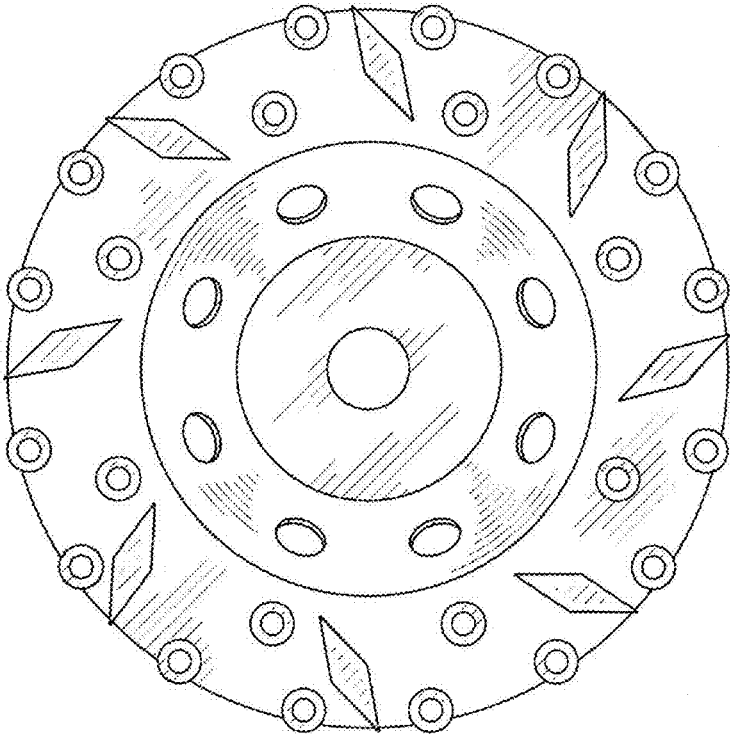


FIG. 2

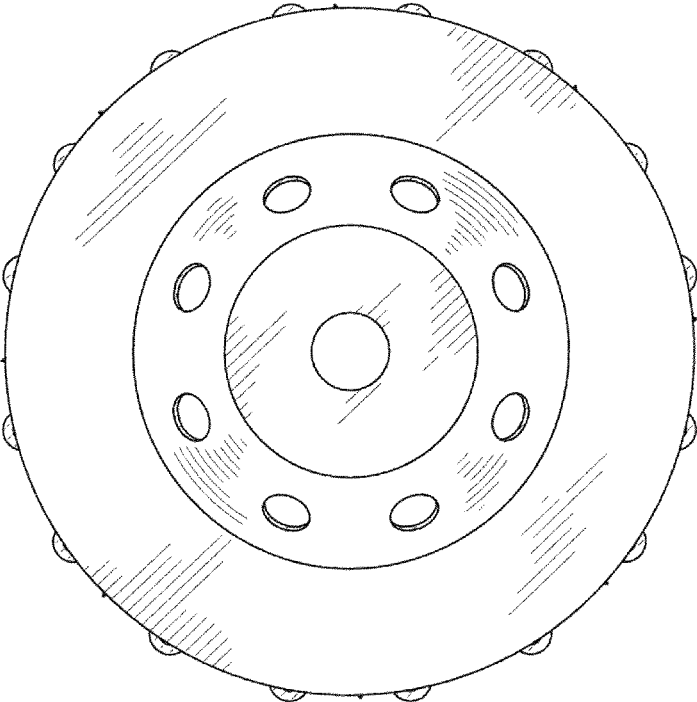


FIG. 3



FIG. 4

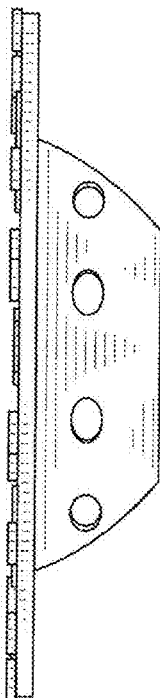


FIG. 5

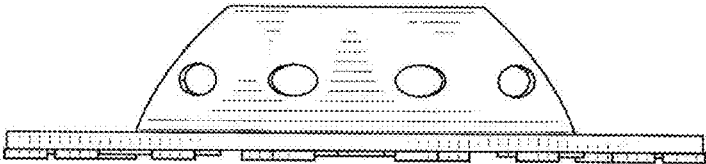


FIG. 6

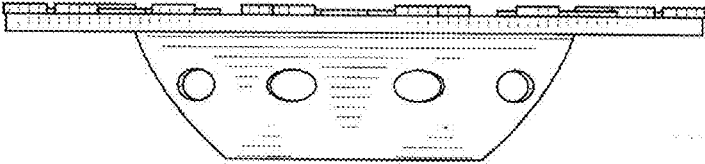


FIG. 7