



US009850620B2

(12) **United States Patent**
Ott

(10) **Patent No.:** **US 9,850,620 B2**

(45) **Date of Patent:** **Dec. 26, 2017**

(54) **DRYER VENT**

(71) Applicant: **Keith H. Ott**, Bonita Springs, FL (US)

(72) Inventor: **Keith H. Ott**, Bonita Springs, FL (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 300 days.

(21) Appl. No.: **14/693,113**

(22) Filed: **Apr. 22, 2015**

(65) **Prior Publication Data**

US 2015/0354127 A1 Dec. 10, 2015

Related U.S. Application Data

(60) Provisional application No. 62/008,088, filed on Jun. 5, 2014.

(51) **Int. Cl.**
D06F 58/20 (2006.01)
F24F 7/00 (2006.01)
F24F 13/08 (2006.01)

(52) **U.S. Cl.**
CPC **D06F 58/20** (2013.01); **F24F 7/00** (2013.01); **F24F 13/082** (2013.01); **F24F 2007/003** (2013.01)

(58) **Field of Classification Search**
CPC ... D06F 8/20; F24F 13/082; F24F 7/00; F24F 2007/003
USPC 34/235; 454/367, 359
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,145,643 A *	8/1964	Strouth	F24C 15/20 126/299 D
3,285,155 A *	11/1966	Maltenfort	F24F 13/08 454/359
4,047,475 A *	9/1977	Cox	A62C 2/12 454/357
5,344,363 A *	9/1994	Pollock	B65D 90/34 137/527.8
6,772,538 B2	8/2004	Vagedes	
7,988,544 B2	8/2011	Vanden Bosch et al.	
2011/0097990 A1*	4/2011	Charron	

* cited by examiner

Primary Examiner — Jessica Yuen

(74) *Attorney, Agent, or Firm* — Price Heneveld LLP

(57) **ABSTRACT**

A vent apparatus comprises a mount with air flow opening for mounting to a wall, a housing covering the mount, and a door pivoted to fall by gravity to a closed position but being movable to an open position when air flows from the air outflow passageway. The housing forms a downwardly and outwardly open chute extending well below a bottom of the mount and door, thus discouraging birds from approaching the air flow opening. The door and mount include bottom flanges that overlap when the door is in the closed position, further discouraging bird entry. The mount, housing and door are all metal with stiffening bends that are relatively simple construction, making assembly low cost and providing a reliable function. The housing does not include large horizontal surfaces, thus discouraging birds and animals from building a nest in or on the housing.

5 Claims, 6 Drawing Sheets

