

(12) United States Patent

McClure et al.

US 8,959,883 B2 (10) **Patent No.:**

(45) Date of Patent: Feb. 24, 2015

(54) HOOK ROTOR STRIPPER

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 96 days.

(21) Appl. No.: 13/654,696

Filed: Oct. 18, 2012 (22)

(65)**Prior Publication Data**

US 2014/0109542 A1 Apr. 24, 2014

(51) Int. Cl. A01D 39/00

(2006.01)

(52) U.S. Cl.

USPC **56/341**; 56/364 (58) Field of Classification Search

USPC 56/341, 364 See application file for complete search history.

(56)References Cited

U.S. PATENT DOCUMENTS

3,226,921 A		1/1966	Shepley	
3,613,345 A		10/1971	Cofer	
3,713,283 A		1/1973	Fritz	
3,924,391 A		12/1975	Cheatum	
4,161,859 A		7/1979	Storm et al.	
4,854,454 A	*	8/1989	Dahlby	209/616

5,426,928	A	6/1995	Frimml et al.
5,581,976	Α	12/1996	Underhill
5,979,153	A	11/1999	Roth
6,279,304	B1	8/2001	Anstey et al.
6,295,797	B1	10/2001	Naaktgeboren et al
6,314,708	B1	11/2001	Engel
6,314,709	B1	11/2001	McClure et al.
6,370,856		4/2002	Engel
6,526,736	B1	3/2003	Anstey
6,644,006	B1	11/2003	Merritt et al.
6,651,418	B1	11/2003	McClure et al.
6,688,092	B2	2/2004	Anstey et al.
6,877,304	B1	4/2005	Smith et al.
6,988,354	В1	1/2006	Pargmann et al.
7,124,568		10/2006	Hotaling
7,478,523	B2	1/2009	McClure et al.

FOREIGN PATENT DOCUMENTS

EP 1616475 A1 1/2006

* cited by examiner

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ABSTRACT (57)

Rotor strippers are sized and shaped to securely fit between adjacent rotor fingers on a rotor shaft of a rotor for stripping crop material and for conveying the crop material to a bale chamber for forming a bale. Each rotor stripper is formed of a segment comprised of two opposing side walls with an interior section extending between the two opposing side walls. A first end portion has a curved hook section shaped to securely fit around a majority portion of the rotary shaft for secure engagement therewith; a second end portion is secured to a backbone portion of the rotor allowing the segment to remain fixed with respect to rotation of the rotary shaft; and a middle portion extends between the first and second end portions in a curved manner.

20 Claims, 7 Drawing Sheets

