



US009510618B2

(12) **United States Patent**
Chang

(10) **Patent No.:** **US 9,510,618 B2**
(45) **Date of Patent:** **Dec. 6, 2016**

- (54) **JUICE EXTRACTING DEVICE**
- (71) Applicant: **Tsung Chih Chang**, Taichung (TW)
- (72) Inventor: **Tsung Chih Chang**, Taichung (TW)
- (*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 671 days.
- (21) Appl. No.: **14/044,890**
- (22) Filed: **Oct. 3, 2013**
- (65) **Prior Publication Data**
US 2015/0068411 A1 Mar. 12, 2015
- (51) **Int. Cl.**
A47J 19/02 (2006.01)
A23N 1/00 (2006.01)
A23N 4/18 (2006.01)
- (52) **U.S. Cl.**
CPC *A23N 1/003* (2013.01); *A23N 4/18* (2013.01); *A47J 19/02* (2013.01)
- (58) **Field of Classification Search**
CPC *A23N 4/12-4/20*; *A23N 1/003*; *A47J 19/02*
USPC 99/513, 495, 501, 503, 508
See application file for complete search history.

1,922,773	A *	8/1933	Mauil	.....	A47J 19/022	100/108
2,116,325	A *	5/1938	Rogers	.....	A47J 19/022	100/108
2,176,377	A *	10/1939	Gamble	.....	A47J 43/22	222/192
2,183,804	A *	12/1939	Bloomfield	.....	A47J 19/022	100/213
2,212,328	A *	8/1940	Scurlock	.....	A47J 19/022	99/497
2,283,119	A *	5/1942	Kuhlman	.....	A47J 19/022	210/419
2,486,423	A *	11/1949	Krieger	.....	A47J 19/022	99/508
2,701,593	A *	2/1955	Dootson	.....	A47J 19/022	99/506
2,733,746	A *	2/1956	Kuehn	.....	A47J 25/00	211/14
2,781,069	A *	2/1957	Byrd	.....	A47J 19/022	73/426
4,125,064	A *	11/1978	Ackeret	.....	A47J 19/022	99/505
4,309,944	A *	1/1982	Frost, Jr.	.....	A23N 1/003	100/104

(Continued)

Primary Examiner — Sean Michalski

(56) **References Cited**
U.S. PATENT DOCUMENTS

1,290,262	A *	1/1919	Lytle	.....	A47J 19/022	99/508
1,509,981	A *	9/1924	Rice	.....	A47J 19/022	99/508
1,563,413	A *	12/1925	Whitcomb	.....	A47J 43/27	220/568
1,748,483	A *	2/1930	Stillman	.....	A47J 43/27	220/568

(57) **ABSTRACT**

A juice extracting device contains a collecting assembly, a covering set, a body, and a pumping member. The collecting assembly includes a cavity defined, an open segment having a pouring hole, a collection segment having a guiding hole, and at least one limiting seat. The covering set includes a hollow neck and a circular holder. The body includes a filtering disc, a plurality of defining ribs for retaining with the at least one limiting seat, a hollow column; a hollowly conical post having a cutting edge, a stop piece, and an extraction portion. The pumping member is served to draw juices in the collecting assembly and includes a spray head and a drawing tube for drawing the juices.

7 Claims, 10 Drawing Sheets

