

#### (12) United States Design Patent US D672,882 S (10) Patent No.: Wiltsie (45) **Date of Patent: \*\* Dec. 18, 2012**

#### **CARTRIDGE FOR EXTRACTION OR** (54)PURIFICATION

- Joshua D. Wiltsie, Chaska, MN (US) (75)Inventor:
- Assignee: Beckman Coulter, Inc., Brea, CA (US) (73)
- (\*\*)14 Years ferm:
- Appl. No.: 29/411,216 (21)

#### DESCRIPTION

FIG. 1 is a first perspective view of an cartridge for extraction or purification illustrating my new design. FIG. 2 is a first side view of the cartridge for extraction or purification in FIG. 1. FIG. 3 is a back view of the cartridge for extraction or purification in FIG. 1. FIG. 4 is a front view of the cartridge for extraction or purification in FIG. 1.

(22)	Filed:		J	an. 18, 20	012			
(51)	LOC (9	) C	<b>'l.</b>			. 24-01		
(52)	_	-			II			
(58)	Field of Classification Search D24/216–226,							
	D24/227, 231, 232, 107, 169, 186; D10/81;							
	422/400-404, 408, 430, 68.1, 500, 502, 503,							
	422/810							
See application file for complete search history.								
(56)	<b>References Cited</b>							
U.S. PATENT DOCUMENTS								
	D282,208	S	*	1/1986	Lowry	D24/222		
	D319,314	S	*		Crouch			
	/ /				Catanzariti et al.			
					Martinell Gisper-Sauch			
	6,063,341				Fassbind et al			
	6,602,474				Tajima			
					Gebrian			
	D618,820	S	*	6/2010	Wilson et al.	D24/227		

5/2011 Cavada et al. ..... D24/226

5/2009 Wilson et al. ..... 422/61

FIG. 5 is a second perspective view of the cartridge for extraction or purification in FIG. 1.

FIG. 6 is a top view of the cartridge for extraction or purification in FIG. 1.

FIG. 7 is a bottom view of the cartridge for extraction or purification in FIG. 1.

FIG. 8 is a second side view of the cartridge for extraction or purification in FIG. 1.

FIG. 9 is a perspective view of a second embodiment of an cartridge for extraction or purification, the only difference between the design of FIG. 1 and the design of FIG. 9 being the configuration of the vertically-oriented centerline web material near the bottom of the part.

FIG. 10 is a first side view of the cartridge for extraction or purification in FIG. 9.

FIG. 11 is a back view of the cartridge for extraction or purification in FIG. 9.

FIG. 12 is a front view of the cartridge for extraction or purification in FIG. 9.

FIG. 13 is a second perspective view of the cartridge for extraction or purification in FIG. 9.

FIG. 14 is a top view of the cartridge for extraction or purification in FIG. 9.

\* cited by examiner

2009/0129978 A1\*

D638,953 S \*

*Primary Examiner* — Anhdao Doan (74) Attorney, Agent, or Firm — Michael L. Bell

CLAIM (57)The ornamental design for a cartridge for extraction or purification, as shown and described.

FIG. 15 is a bottom view of the cartridge for extraction or purification in FIG. 9; and,

FIG. 16 is a second side view of the cartridge for extraction or purification in FIG. 9.

Portions of the cartridge for extraction or purification shown in broken lines form no part of the claimed design.

1 Claim, 6 Drawing Sheets



## U.S. Patent Dec. 18, 2012 Sheet 1 of 6 US D672,882 S



## FIG. 1



## U.S. Patent Dec. 18, 2012 Sheet 2 of 6 US D672,882 S









### U.S. Patent Dec. 18, 2012 Sheet 3 of 6 US D672,882 S





UUUUUUU	



## U.S. Patent Dec. 18, 2012 Sheet 4 of 6 US D672,882 S







#### **U.S. Patent** US D672,882 S Dec. 18, 2012 Sheet 5 of 6





## FIG. 11





### U.S. Patent Dec. 18, 2012 Sheet 6 of 6 US D672,882 S



# FIG. 14



## FIG. 15



