



US00D711859S

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

(10) **Patent No.:** **US D711,859 S**

(45) **Date of Patent:** **** Aug. 26, 2014**

(54) **ANTENNA FOR RADIO FREQUENCY TAG
READER**

(71) Applicant: **Megabyte Limited**, Hong Kong (HK)

(72) Inventor: **Chun Sing Matthew Man**, Hong Kong
(HK)

(73) Assignee: **Megabyte Limited**, Hong Kong (HK)

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

(21) Appl. No.: **29/486,835**

(22) Filed: **Apr. 2, 2014**

(30) **Foreign Application Priority Data**

Dec. 27, 2013 (HK) 1302320.5

(51) **LOC (10) Cl.** **14-03**

(52) **U.S. Cl.**
USPC **D14/230**

(58) **Field of Classification Search**
USPC D14/138, 230–238, 299, 358; D12/42,
D12/43; 343/700 MS, 700 R–705, 711–713,
343/735, 736, 741, 748, 767, 795, 819, 840,
343/846, 866, 871–908; 455/90.2, 90.3, 91,
455/128, 269, 344, 347, 562.1
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

D175,489 S *	9/1955	Arnold	.....	D14/230
3,229,293 A *	1/1966	Little et al.	.....	342/447
3,465,346 A *	9/1969	Patterson et al.	.....	343/895
3,562,756 A *	2/1971	Kuo	.....	43/895
3,656,168 A *	4/1972	Stropki	.....	343/895
3,787,871 A *	1/1974	Reese	.....	343/895
3,956,752 A *	5/1976	Phelan et al.	.....	343/754
3,969,732 A *	7/1976	Holloway	.....	343/895

4,243,993 A *	1/1981	Lamberty et al.	.....	343/895
4,559,539 A *	12/1985	Markowitz et al.	.....	343/725
4,594,595 A *	6/1986	Struckman	.....	343/770
4,605,934 A *	8/1986	Andrews	.....	343/895
4,608,572 A *	8/1986	Blakney et al.	.....	343/792.5
4,630,064 A *	12/1986	Andrews et al.	.....	343/895
4,658,262 A *	4/1987	DuHamel	.....	343/792.5
4,725,848 A *	2/1988	Honda	.....	343/895
5,164,738 A *	11/1992	Walter et al.	.....	343/789
5,451,973 A *	9/1995	Walter et al.	.....	343/895
5,491,490 A *	2/1996	Kim et al.	.....	343/895
5,508,710 A *	4/1996	Wang et al.	.....	343/726
5,515,066 A *	5/1996	Kim et al.	.....	343/895
5,621,422 A *	4/1997	Wang	.....	343/895
5,936,595 A *	8/1999	Wang	.....	343/895
5,990,849 A *	11/1999	Salvail et al.	.....	343/895
6,018,323 A *	1/2000	Van Hoozen et al.	.....	343/792.5
6,018,327 A *	1/2000	Nakano et al.	.....	343/895
6,023,250 A *	2/2000	Cronyn	.....	343/895
6,266,027 B1 *	7/2001	Neel	.....	343/895
6,300,919 B1 *	10/2001	Mehen et al.	.....	343/895
6,369,778 B1 *	4/2002	Dockery	.....	343/895
6,445,354 B1 *	9/2002	Kunysz	.....	343/770
6,452,560 B2 *	9/2002	Kunysz	.....	343/770
6,646,621 B1 *	11/2003	Phelan et al.	.....	343/895
6,765,542 B2 *	7/2004	McCarthy et al.	.....	343/895
6,917,346 B2 *	7/2005	Izzat et al.	.....	343/895

(Continued)

Primary Examiner — John Windmuller

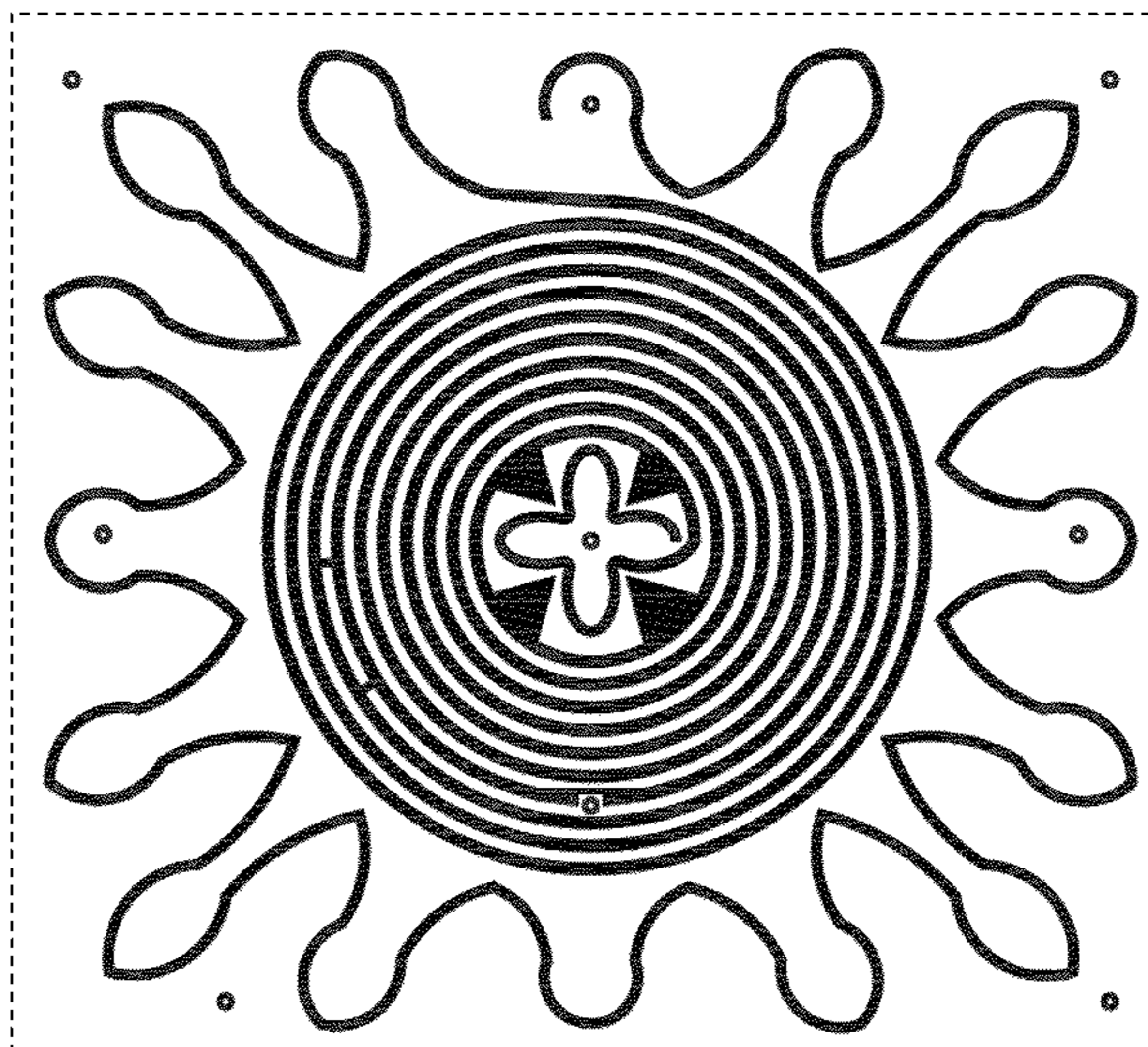
(57) **CLAIM**

The ornamental design for an antenna for radio frequency tag reader, as shown and described.

DESCRIPTION

The sole FIGURE is a top plan view of an antenna for radio frequency tag reader showing my new design. The broken line showing of a substrate illustrates environment only and forms no part of the claimed design. The solid black areas constitute the entirety of the claimed design. All elements of the design are flat and coplanar.

1 Claim, 1 Drawing Sheet



(56)

References Cited

U.S. PATENT DOCUMENTS

7,027,009	B1 *	4/2006	Adams et al.	343/894	8,068,065	B1 *	11/2011	Struckman	343/792.5
D546,822	S *	7/2007	Oliver	D14/230	8,624,794	B2 *	1/2014	Alexopoulos et al.	343/893
7,586,462	B1 *	9/2009	Tetorka	343/895	2002/0113739	A1 *	8/2002	Howard	343/702
7,830,319	B2 *	11/2010	Cohen et al.	343/718	2003/0184495	A1 *	10/2003	Tomon	343/895
7,889,151	B1 *	2/2011	Brock et al.	343/895	2004/0075616	A1 *	4/2004	Endo et al.	343/895
7,898,498	B2 *	3/2011	Higashi et al.	343/895	2005/0156788	A1 *	7/2005	Lin	343/700 MS
D645,459	S *	9/2011	Ni	D14/230	2006/0164306	A1 *	7/2006	Chang et al.	343/700 MS
					2006/0262023	A1 *	11/2006	Engargiola et al.	343/792.5
					2008/0084352	A1 *	4/2008	Piskun	343/700 MS
					2013/0300611	A1 *	11/2013	Chou	343/700 MS

* cited by examiner

