



US00D606057S

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

(10) **Patent No.:** **US D606,057 S**

(45) **Date of Patent:** **** Dec. 15, 2009**

(54) **SET OF WAVEGUIDE ASSISTED ANTENNA ELEMENTS FOR RFID TAGS**

(75) Inventor: **Ronald A. Oliver**, Seattle, WA (US)

(73) Assignee: **Impinj, Inc.**, Seattle, WA (US)

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

(21) Appl. No.: **29/331,742**

(22) Filed: **Jan. 30, 2009**

(51) **LOC (9) Cl.** **14-03**

(52) **U.S. Cl.** **D14/230; D14/233**

(58) **Field of Classification Search** D14/138,
D14/230-238, 299, 358; D12/42, 43; 343/700 MS,
343/700 R-705, 711-713, 741, 748, 767,
343/795, 819, 840, 846, 866, 871-908; 455/90.2,
455/90.3, 91, 128, 269, 344, 347, 562.1;
333/193, 195

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

- 6,831,608 B2 * 12/2004 Arvidsson 343/700 MS
- 7,358,916 B2 * 4/2008 Milyakh 343/770
- 7,486,249 B2 * 2/2009 Fujita et al. 343/795

- D590,379 S * 4/2009 Deguchi et al. D14/230
- 7,518,567 B2 * 4/2009 Utagawa et al. 343/846
- 2004/0189532 A1 * 9/2004 Nakano et al. 343/700 MS
- 2009/0033582 A1 * 2/2009 Blenkhorn et al. 343/893
- 2009/0046017 A1 * 2/2009 Foo 343/700 MS

* cited by examiner

Primary Examiner—T. Chase Nelson

Assistant Examiner—John Windmuller

(74) *Attorney, Agent, or Firm*—Turk IP Law, LLC

(57) **CLAIM**

The ornamental design for a set of waveguide assisted antenna elements for RFID tags, as shown and described.

DESCRIPTION

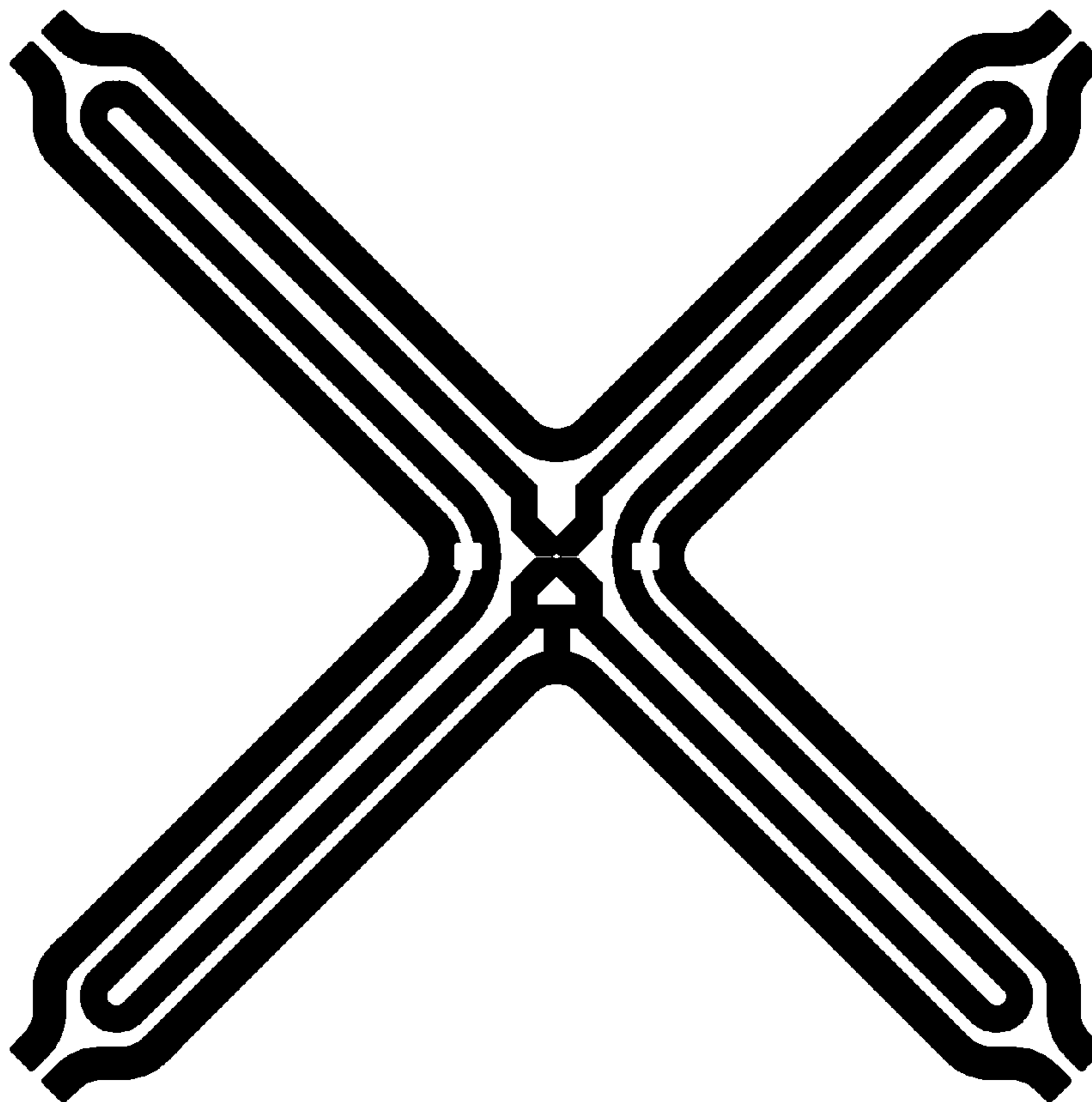
FIG. 1 is a top plan view of a set of waveguide assisted antenna elements for RFID tags showing my new design;

FIG. 2 is a top plan view thereof in use with an RFID chip; and,

FIG. 3 is a top plan view thereof in another mode of use.

The broken line showing of an RFID chip in FIG. 2 and further antenna structure in FIG. 3 illustrates environment only and forms no part of the claimed design. The solid black areas constitute the entirety of the claimed design.

1 Claim, 3 Drawing Sheets



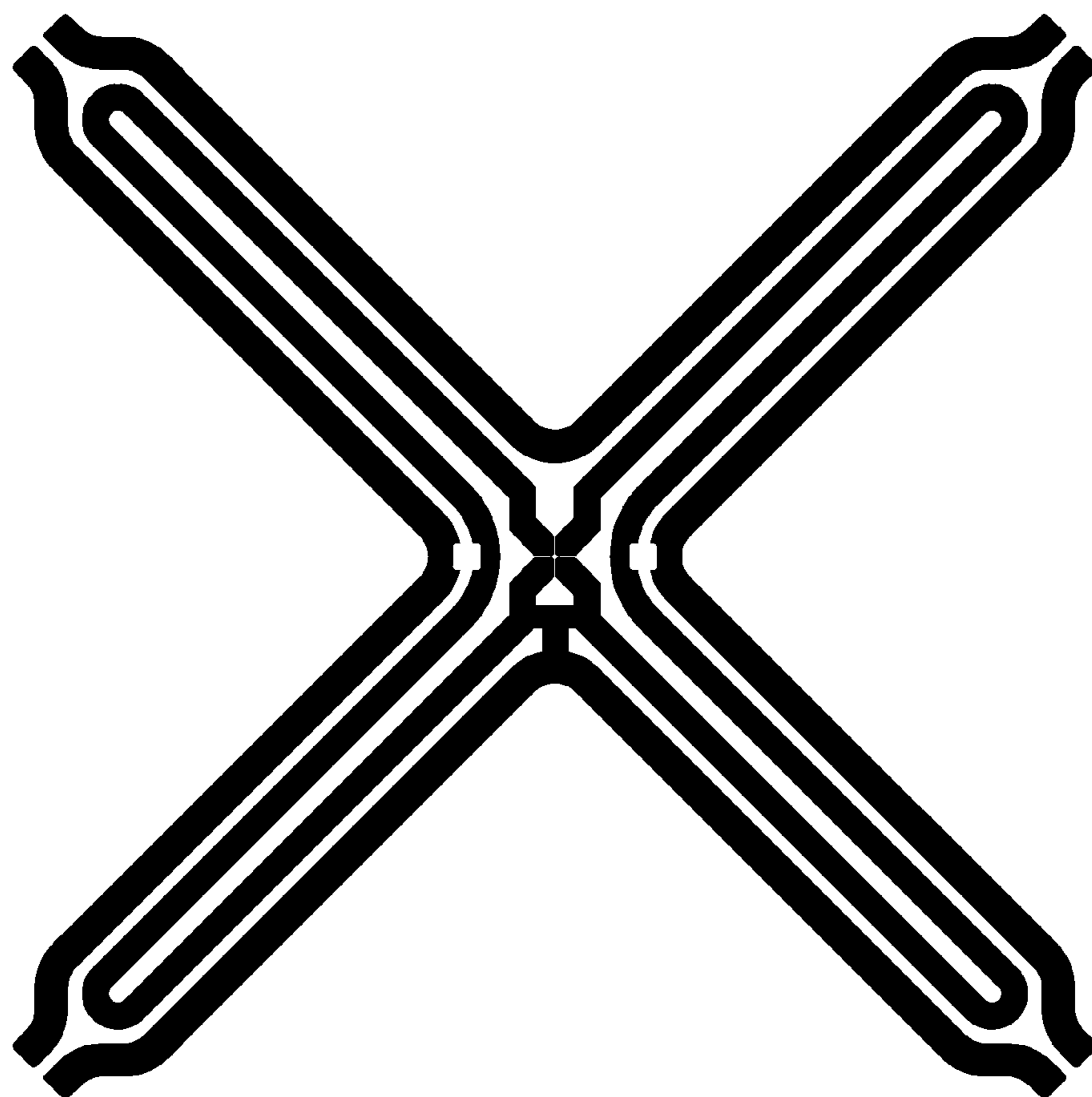


FIG. 1

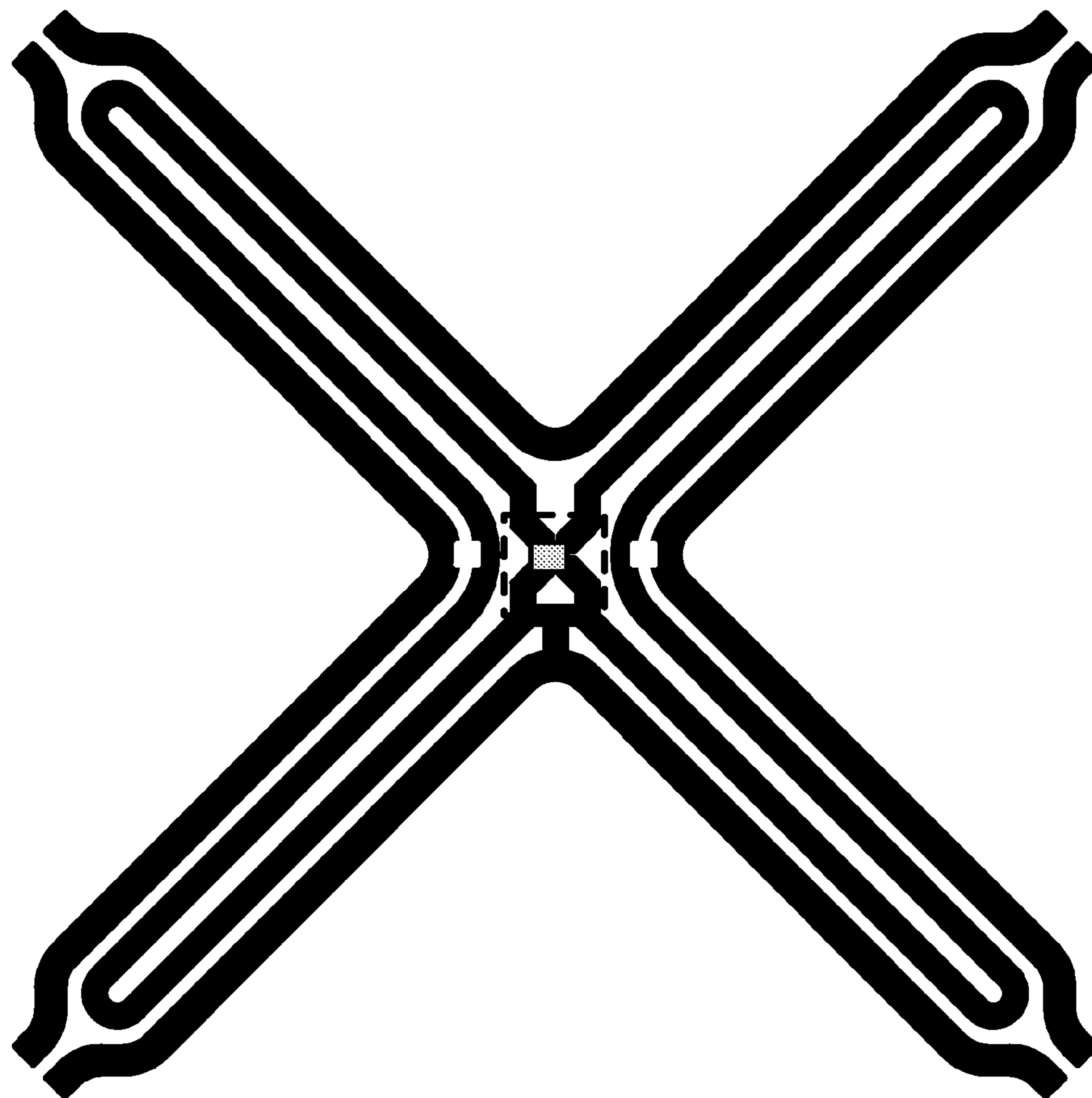


FIG. 2

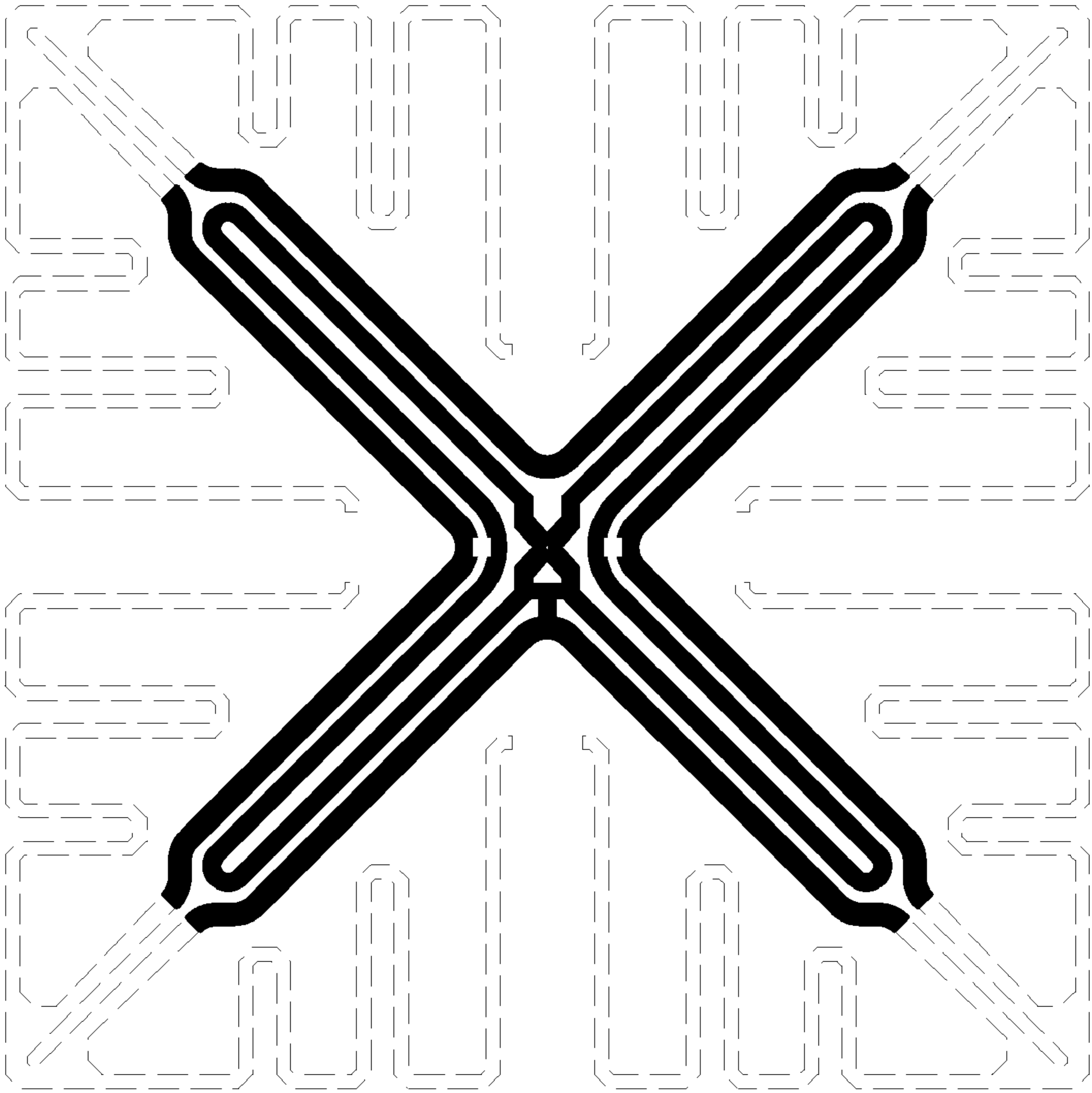


FIG. 3

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : Des. 606,057 S
APPLICATION NO. : 29/331742
DATED : December 15, 2009
INVENTOR(S) : Ronald A. Oliver

Page 1 of 1

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Title Pg "Impinj, Inc.," Item "(73) Assignee" and insert -- Impinj, Inc., --, therefor.

Signed and Sealed this

Ninth Day of March, 2010

A handwritten signature in black ink that reads "David J. Kappos". The signature is written in a cursive, flowing style.

David J. Kappos
Director of the United States Patent and Trademark Office