



US00D942947S

(12) **United States Design Patent** (10) **Patent No.:** **US D942,947 S**  
**Asai et al.** (45) **Date of Patent:** **\*\* Feb. 8, 2022**

(54) **COIL COMPONENT**

(71) Applicant: **TDK CORPORATION**, Tokyo (JP)

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(73) Assignee: **TDK CORPORATION**, Tokyo (JP)

(\*\*) Term: **15 Years**

(21) Appl. No.: **29/702,696**

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(30) **Foreign Application Priority Data**

Feb. 21, 2019 (JP) ..... 2019-003478

(51) **LOC (13) Cl.** ..... **13-02**

(52) **U.S. Cl.**  
USPC ..... **D13/117**

(58) **Field of Classification Search**  
USPC ..... D13/101, 110, 117, 118, 119, 120, 121,  
D13/122, 129, 133, 153, 179, 182, 183,  
D13/199

(Continued)

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*Primary Examiner* — Kendra Leslie Hamilton  
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(57) **CLAIM**

The ornamental design for a coil component, as shown and described.

**DESCRIPTION**

FIG. 1 is a front elevation view of a first embodiment of a coil component, showing our new design.  
FIG. 2 is a back elevation view thereof.  
FIG. 3 is a left side elevation view thereof.  
FIG. 4 is a right side elevation view thereof.  
FIG. 5 is a top plan view thereof.  
FIG. 6 is a bottom plan view thereof.  
FIG. 7 is a cross-sectional left side elevation view of the coil component of FIG. 1, taken along line 7-7 of FIG. 1.  
FIG. 8 is a bottom plan view of FIG. 1, shown with the plate core removed for clarity of disclosure.  
FIG. 9 is a front elevation view of the coil component of FIG. 1, shown exploded for clarity of disclosure.  
FIG. 10 is a top, front, left side perspective view thereof.  
FIG. 11 is a front elevation view of a second embodiment of a coil component.  
FIG. 12 is a back elevation view thereof.  
FIG. 13 is a left side elevation view thereof.  
FIG. 14 is a right side elevation view thereof.  
FIG. 15 is a top plan view thereof.  
FIG. 16 is a bottom plan view thereof.  
FIG. 17 is a bottom plan view of FIG. 11, shown with the plate core removed for clarity of disclosure.  
FIG. 18 is a front elevation view of the coil component of FIG. 11, shown exploded for clarity of disclosure.  
FIG. 19 is a front elevation view of a third embodiment of a coil component.

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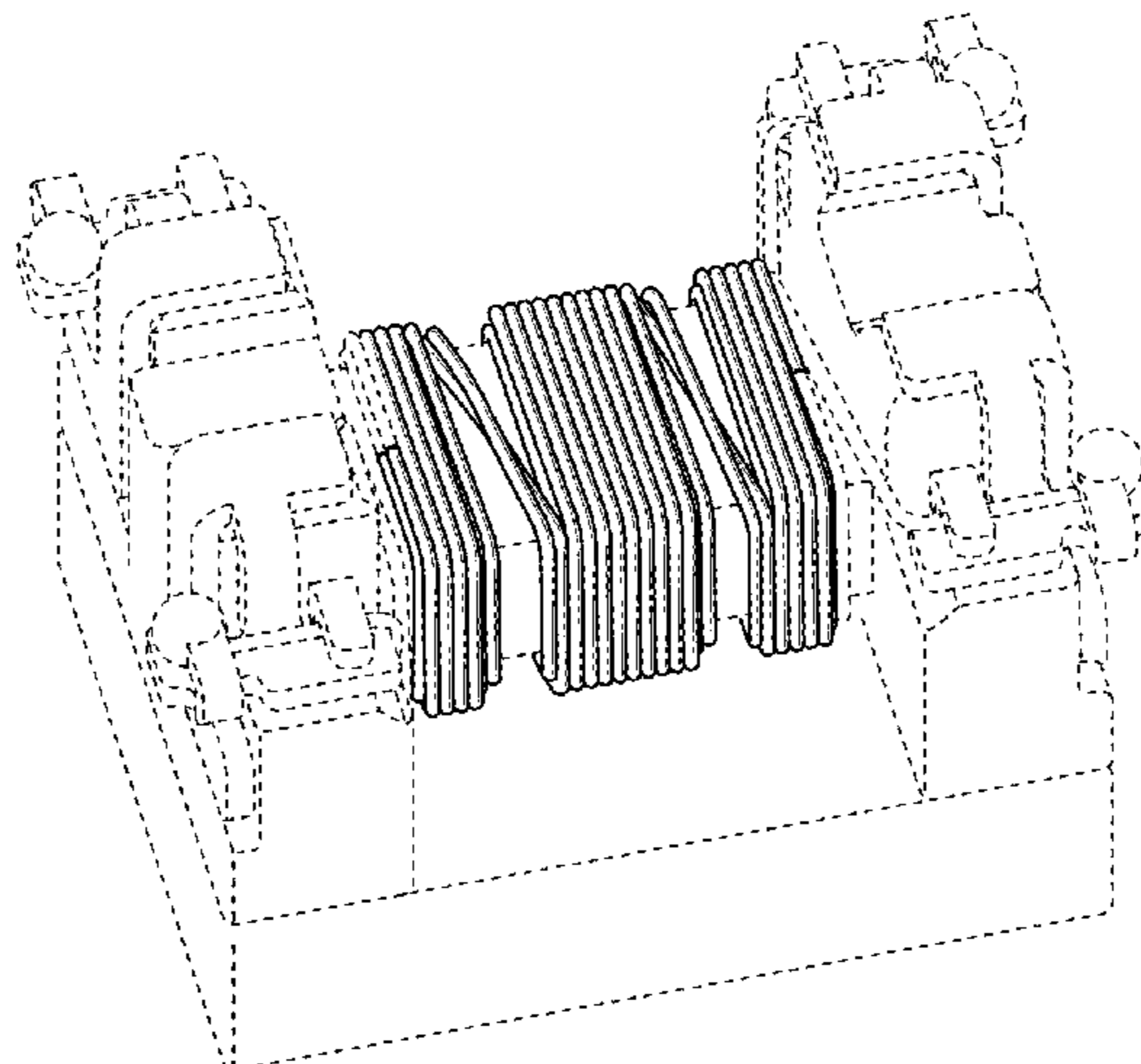


FIG. 20 is a back elevation view thereof.  
 FIG. 21 is a left side elevation view thereof.  
 FIG. 22 is a right side elevation view thereof.  
 FIG. 23 is a top plan view thereof.  
 FIG. 24 is a bottom plan view thereof.  
 FIG. 25 is a bottom plan view of FIG. 19, shown with the plate core removed for clarity of disclosure.  
 FIG. 26 is a front elevation view of the coil component of FIG. 19, shown exploded for clarity of disclosure.  
 FIG. 27 is a front elevation view of a fourth embodiment of a coil component.  
 FIG. 28 is a back elevation view thereof.  
 FIG. 29 is a left side elevation view thereof.  
 FIG. 30 is a right side elevation view thereof.  
 FIG. 31 is a top plan view thereof.  
 FIG. 32 is a bottom plan view thereof.  
 FIG. 33 is a cross-sectional left side elevation view of the coil component of FIG. 27, taken along line 33-33 of FIG. 27.  
 FIG. 34 is a bottom plan view of FIG. 27, shown with the plate core removed for clarity of disclosure.  
 FIG. 35 is a front elevation view of the coil component of FIG. 27, shown exploded for clarity of disclosure.  
 FIG. 36 is a front elevation view of a fifth embodiment of a coil component.  
 FIG. 37 is a back elevation view thereof.  
 FIG. 38 is a left side elevation view thereof.  
 FIG. 39 is a right side elevation view thereof.  
 FIG. 40 is a top plan view thereof.  
 FIG. 41 is a bottom plan view thereof.  
 FIG. 42 is a bottom plan view of FIG. 36, shown with the plate core removed for clarity of disclosure.  
 FIG. 43 is a front elevation view of the coil component of FIG. 36, shown exploded for clarity of disclosure.  
 FIG. 44 is a front elevation view of a sixth embodiment of a coil component.  
 FIG. 45 is a back elevation view thereof.  
 FIG. 46 is a left side elevation view thereof.  
 FIG. 47 is a right side elevation view thereof.  
 FIG. 48 is a top plan view thereof.  
 FIG. 49 is a bottom plan view thereof.  
 FIG. 50 is a bottom plan view of FIG. 44, shown with the plate core removed for clarity of disclosure; and,  
 FIG. 51 is a front elevation view of the coil component of FIG. 44, shown exploded for clarity of disclosure.

The broken lines depict parts of the coil component that form no part of the claimed design.

**1 Claim, 51 Drawing Sheets**

(58) **Field of Classification Search**  
 CPC ..... H01F 27/00; H01F 27/2866; H01F 41/06  
 See application file for complete search history.

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FIG. 1

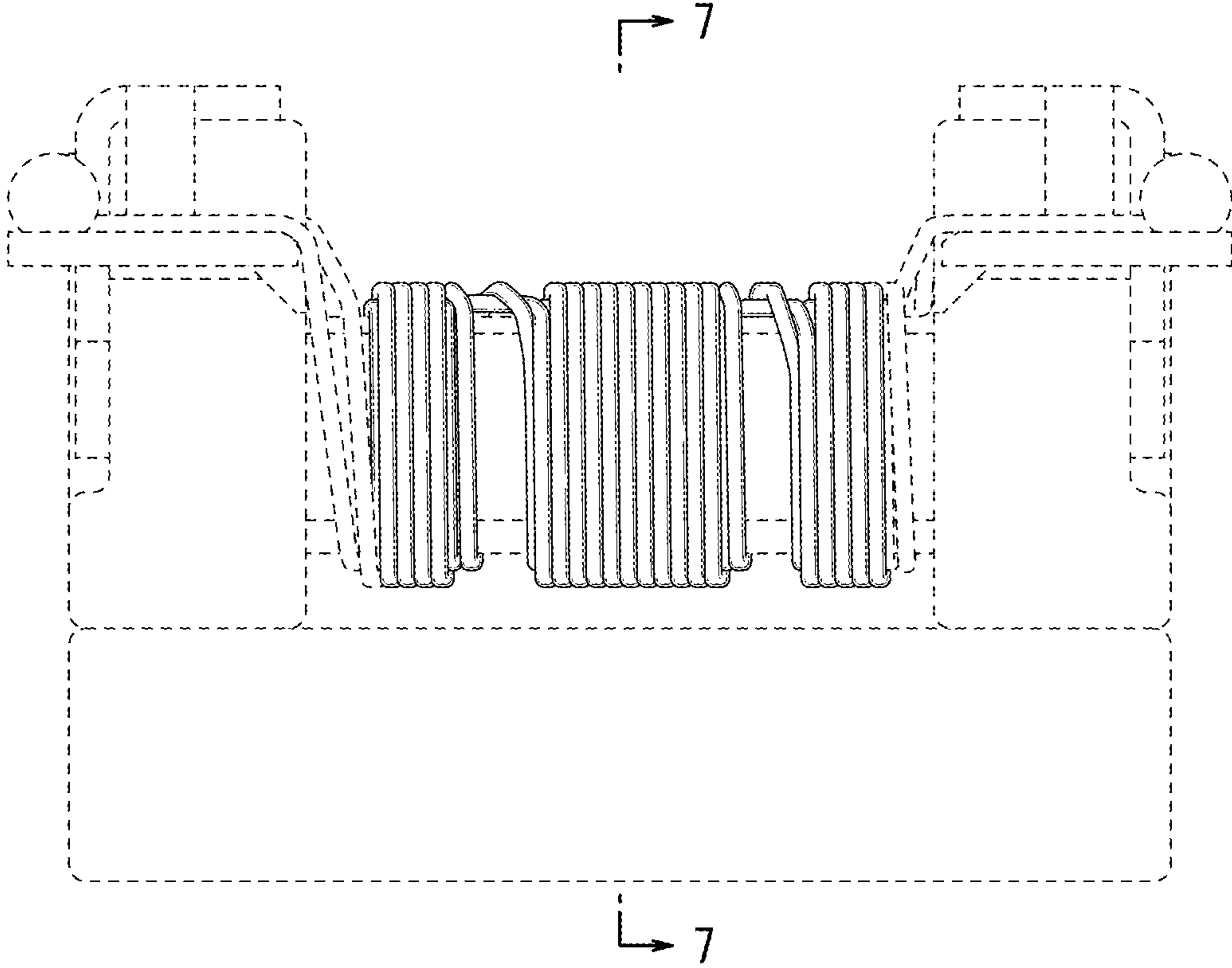




FIG. 2

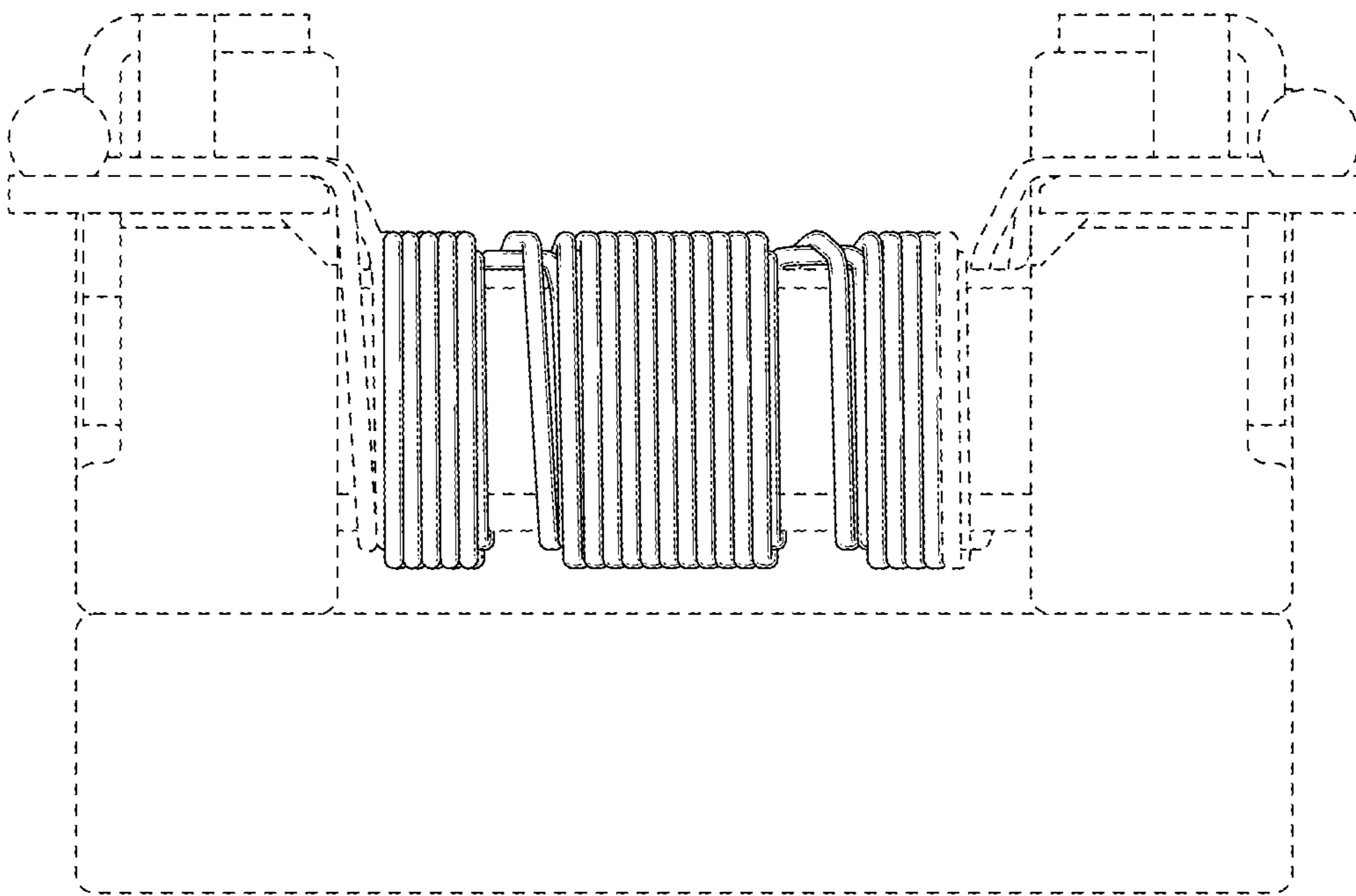


FIG. 3

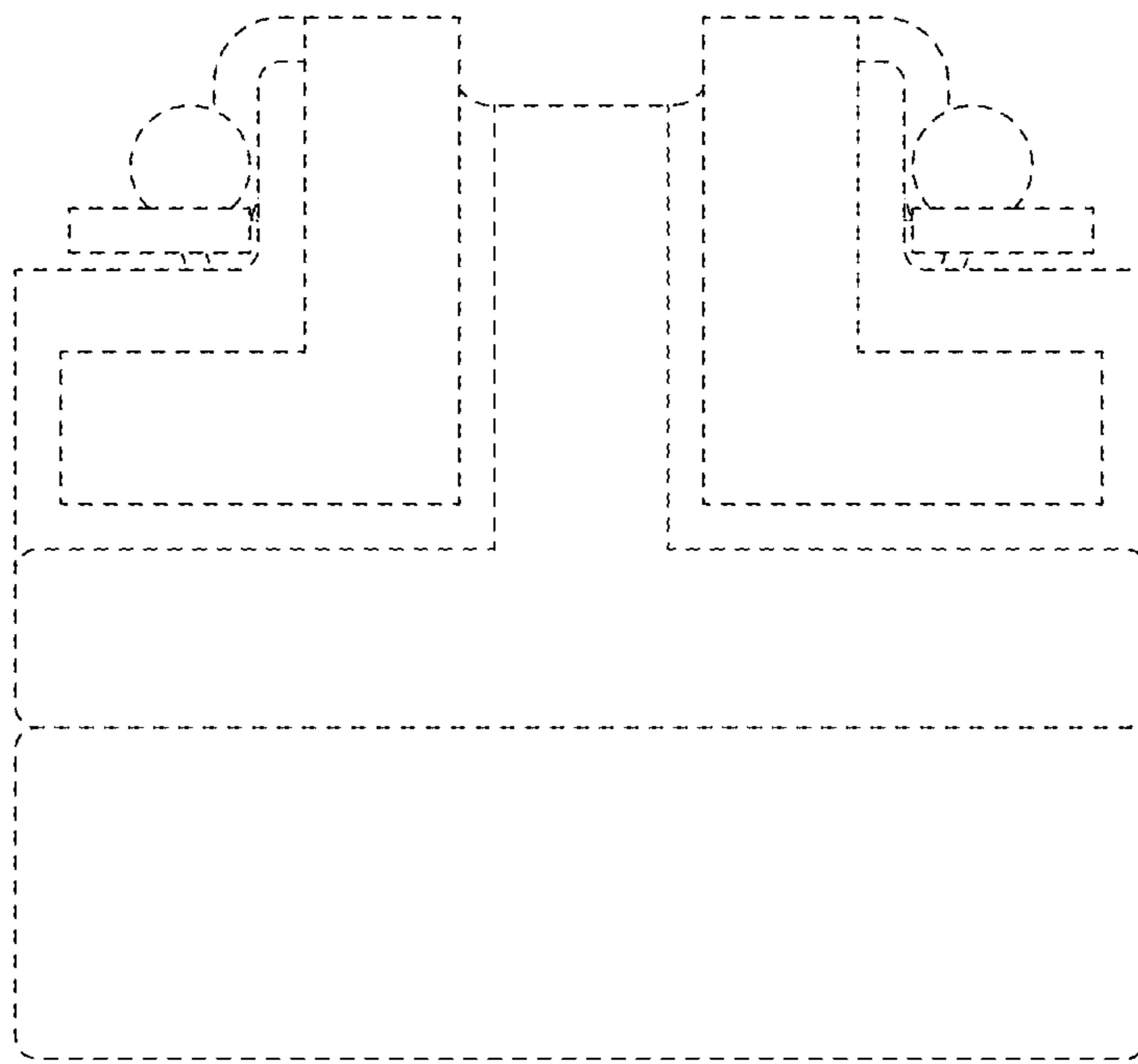


FIG. 4

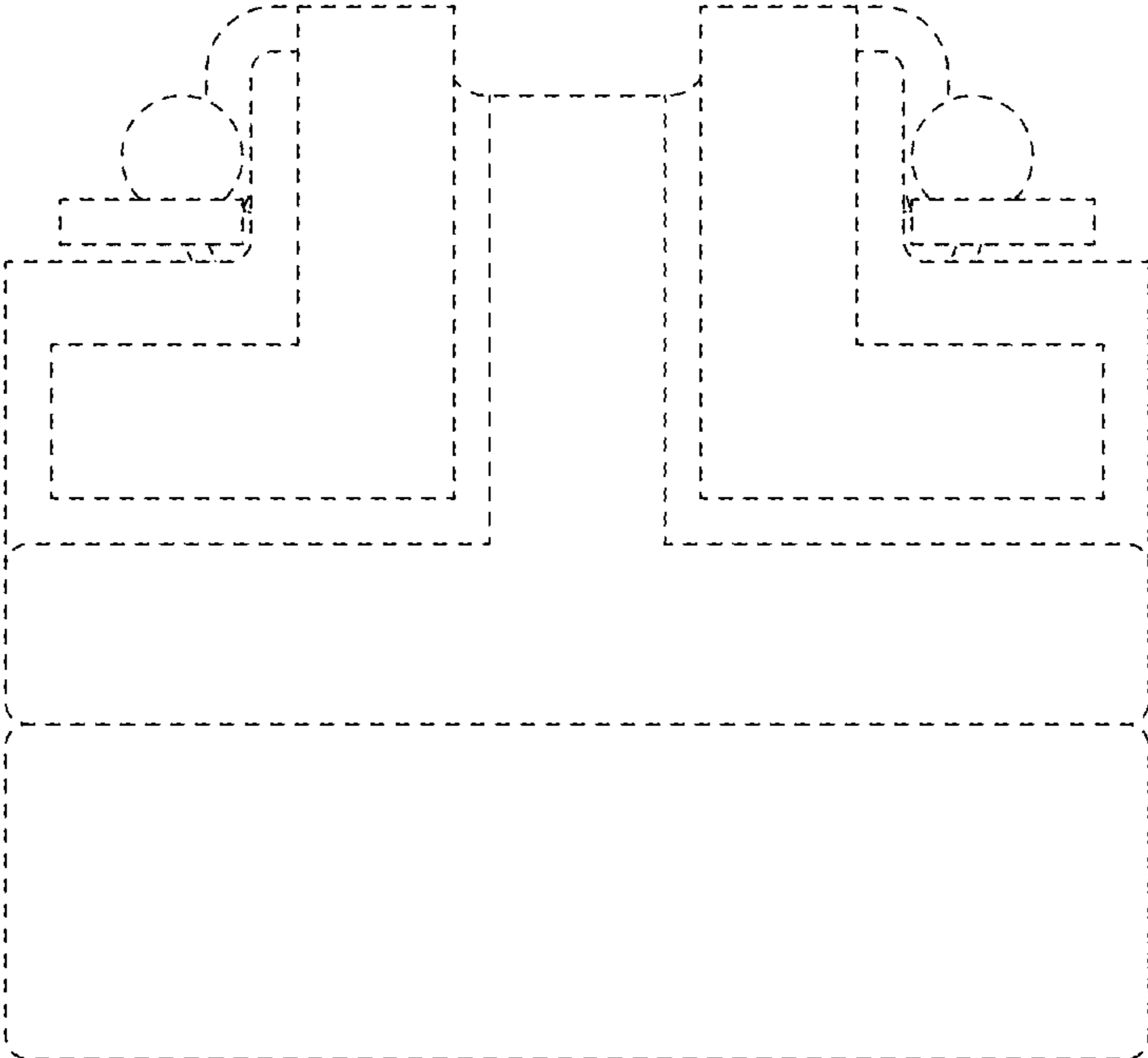


FIG. 5

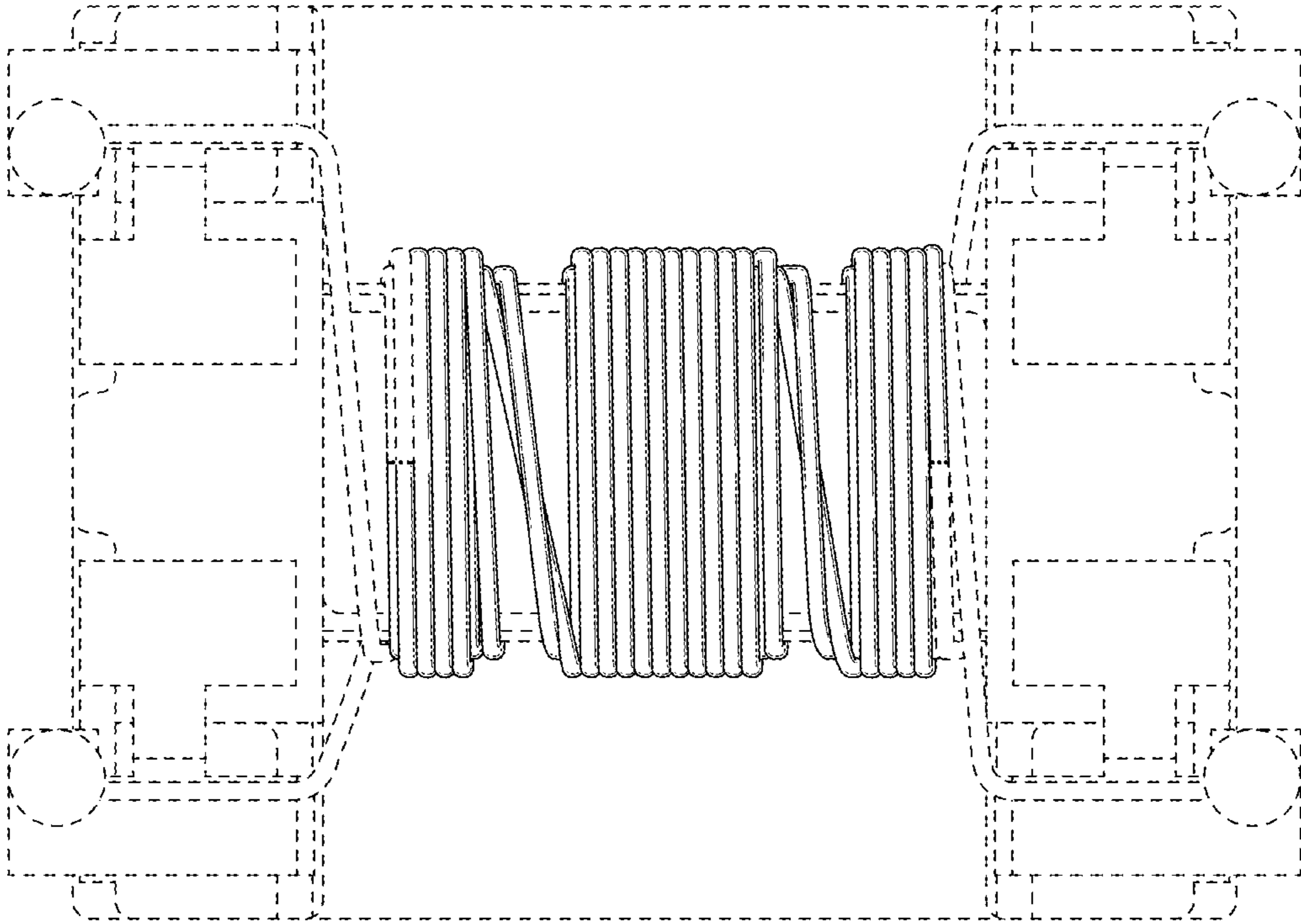


FIG. 6





FIG. 7

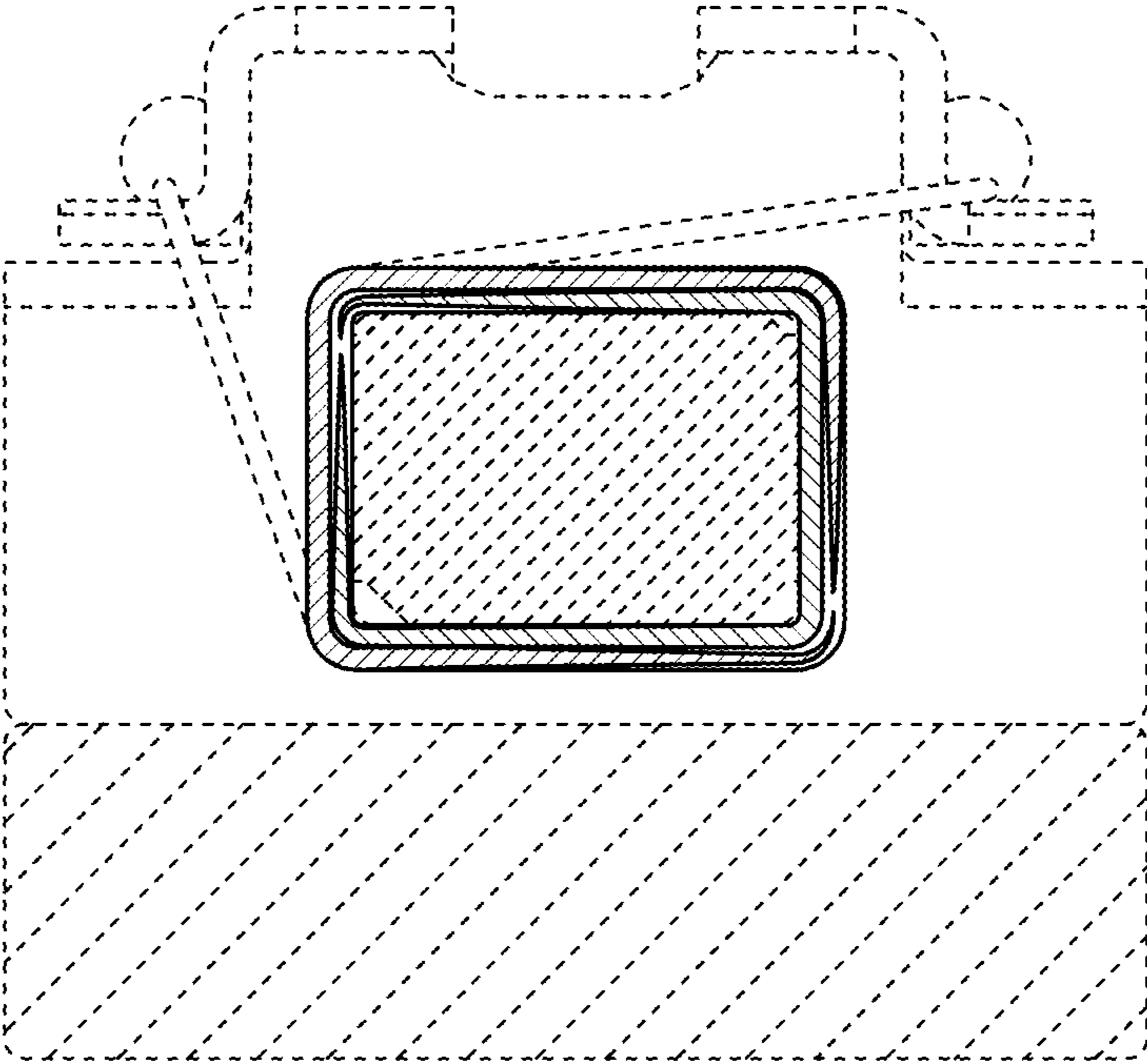


FIG. 8

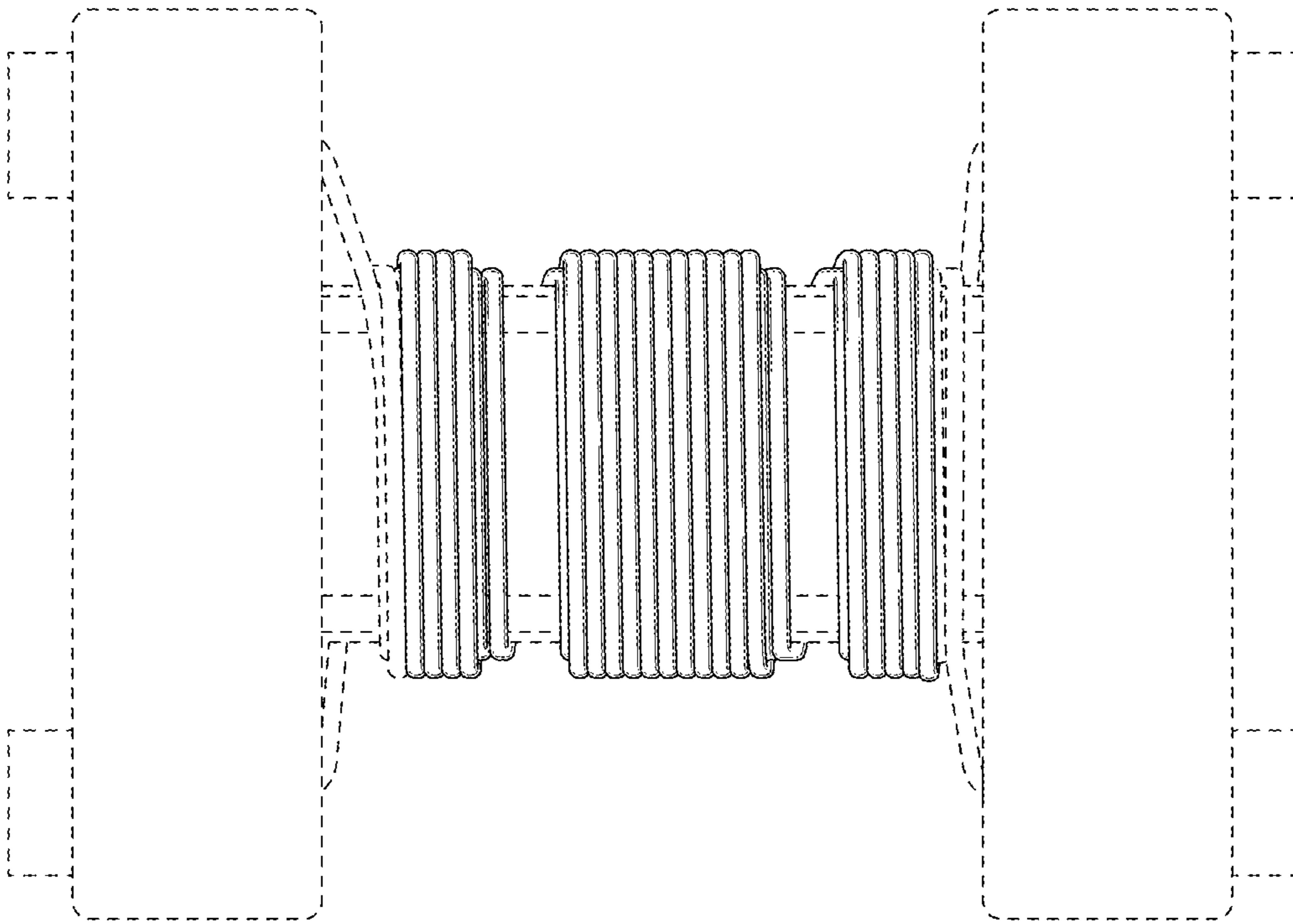


FIG. 9

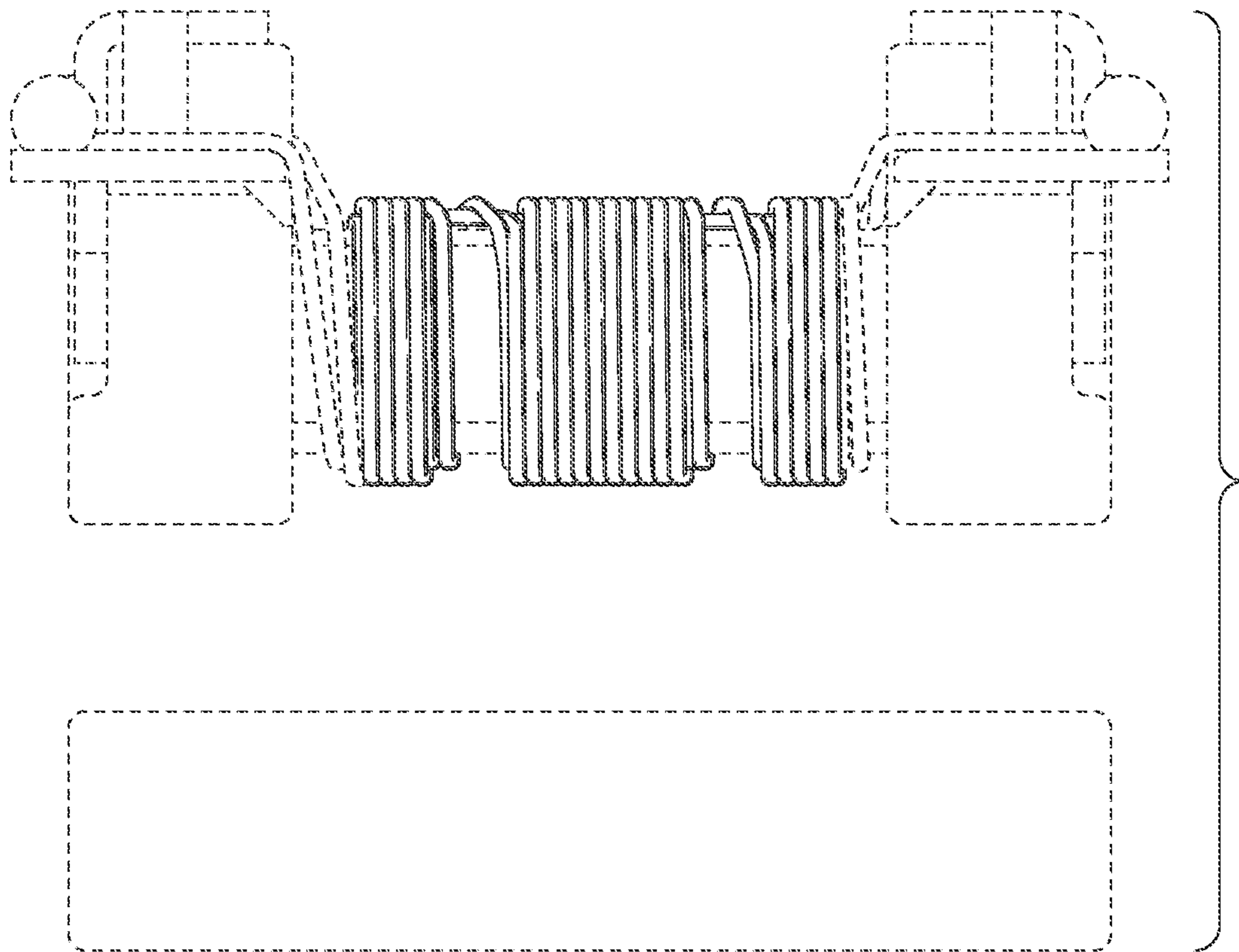


FIG. 10

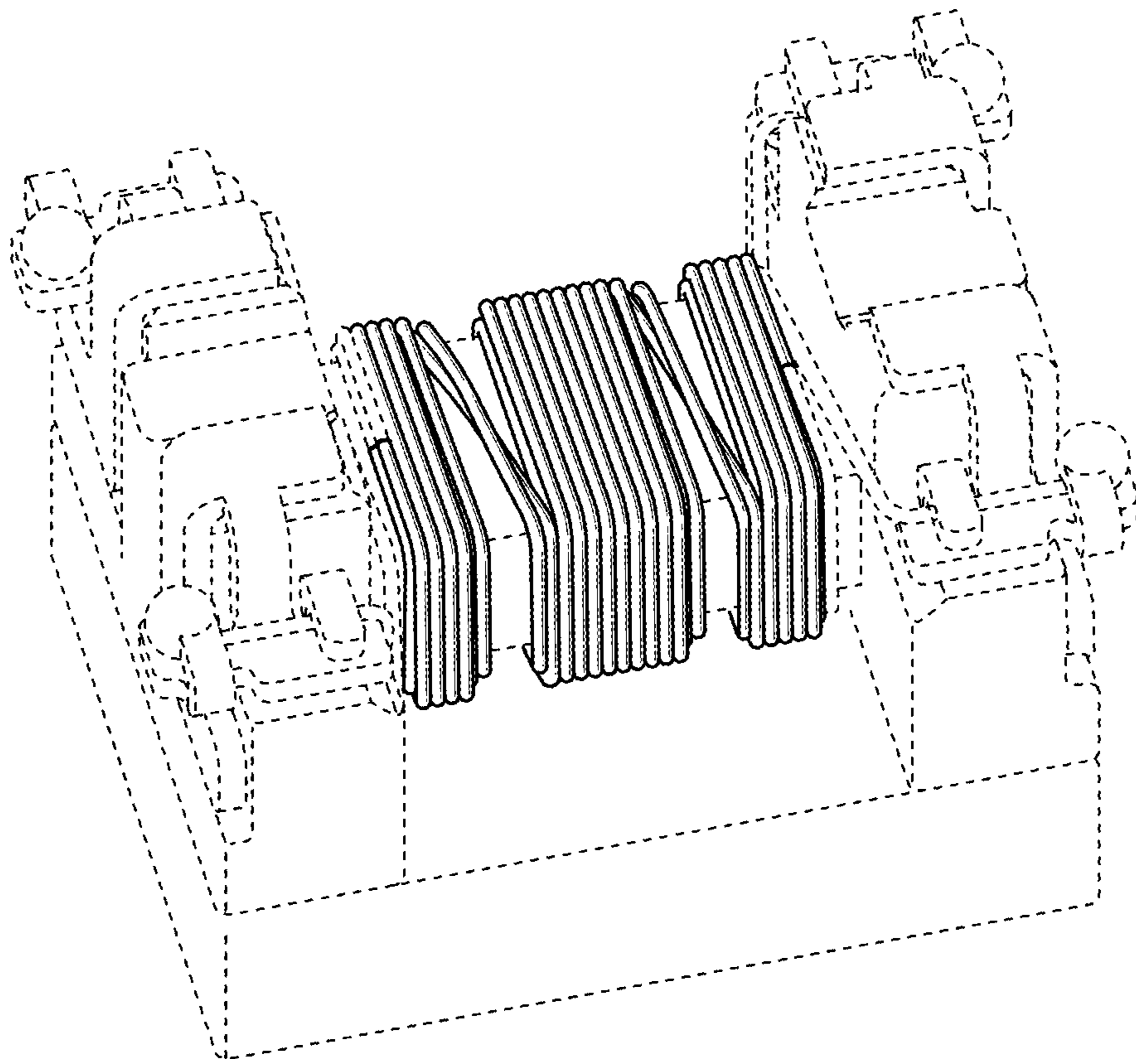


FIG. 11

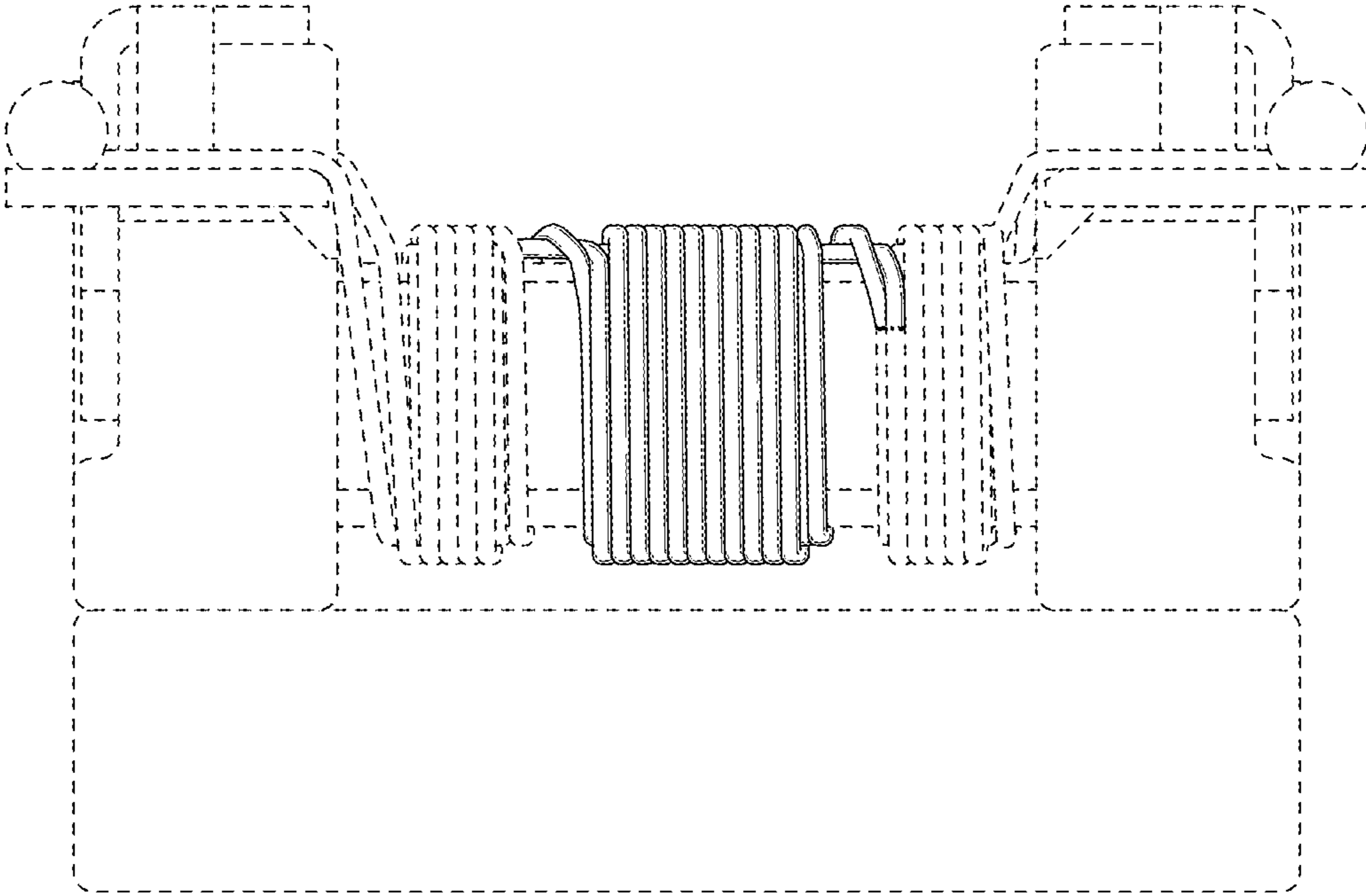


FIG. 12

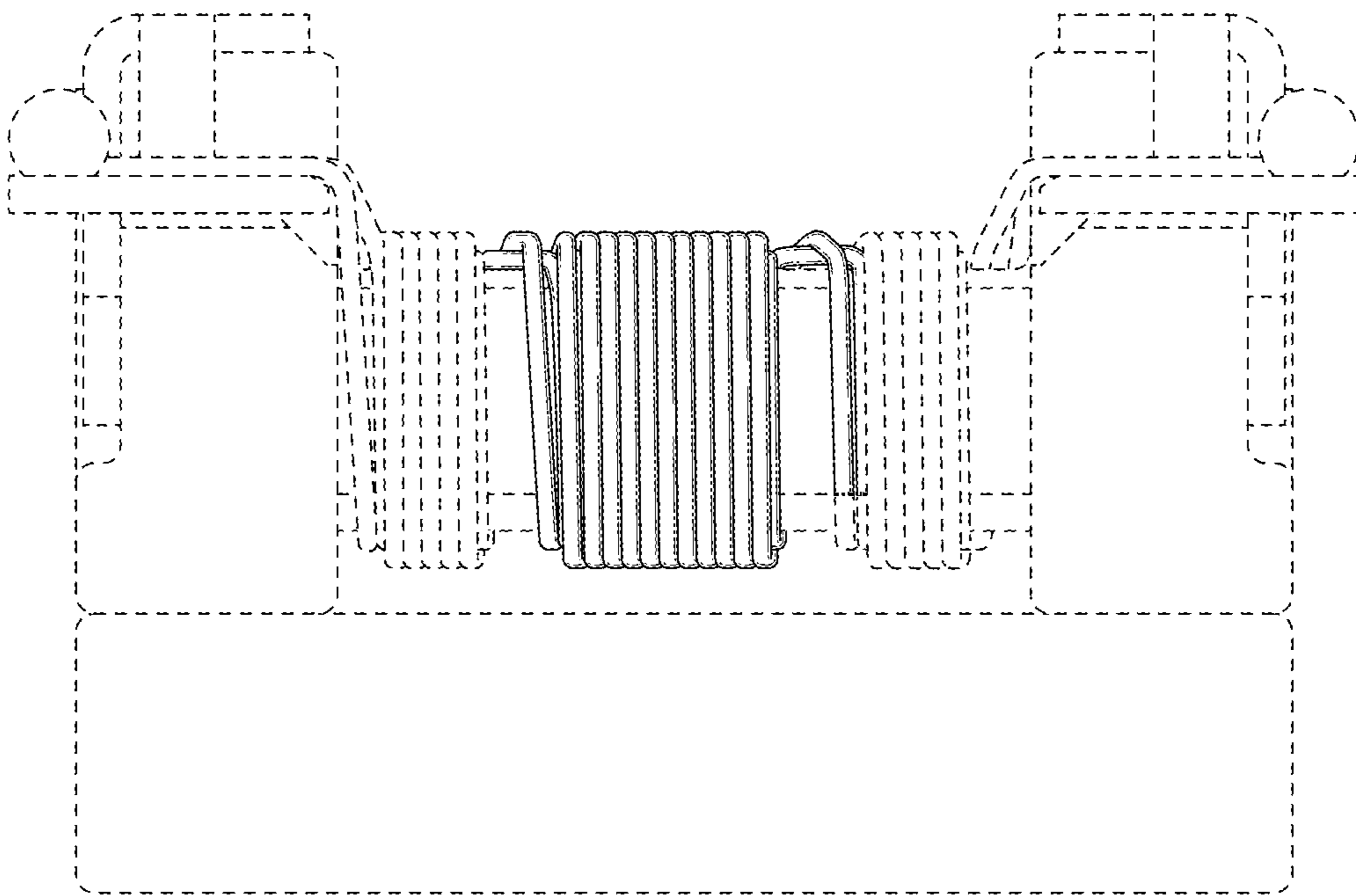




FIG. 13

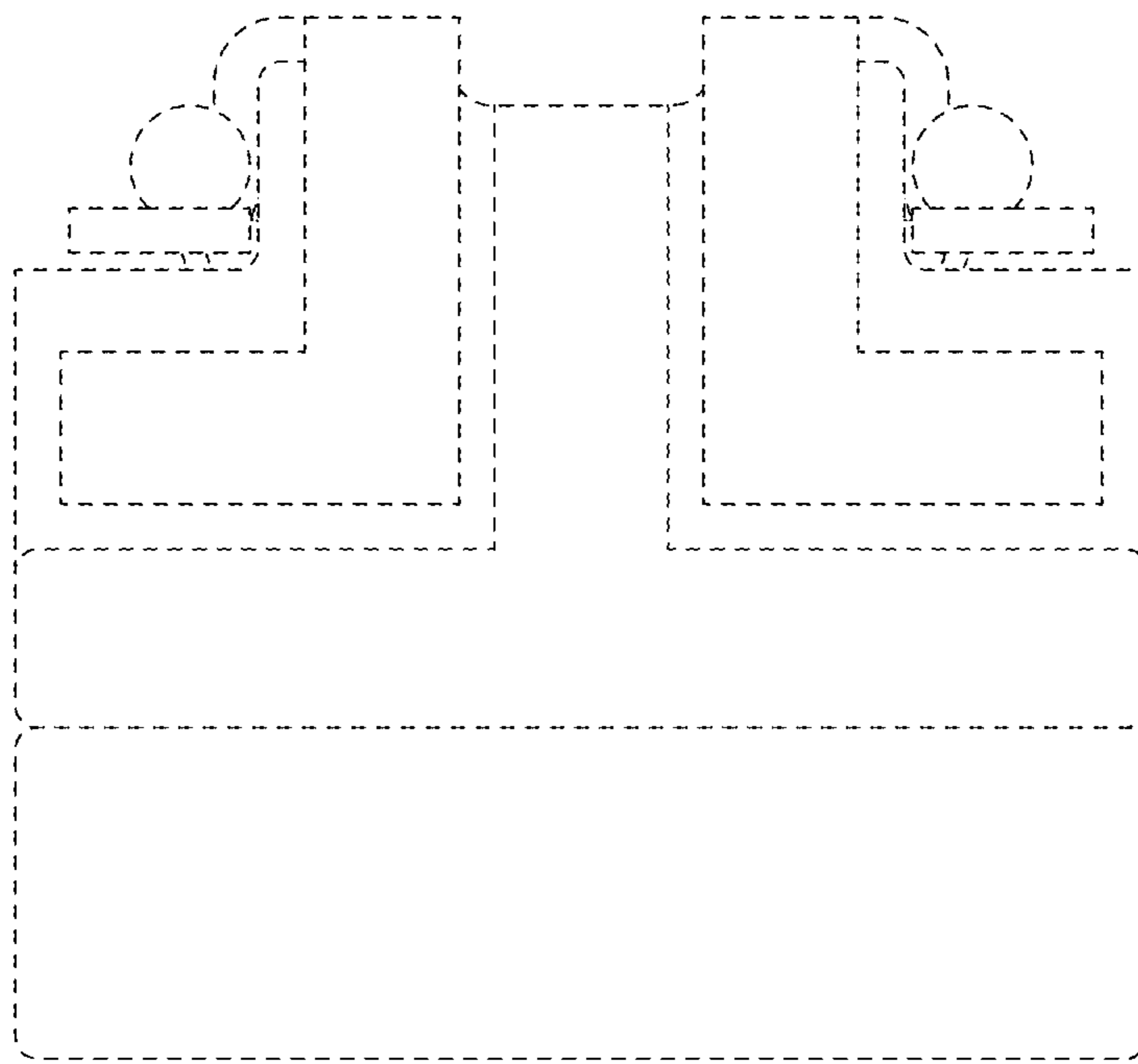


FIG. 14

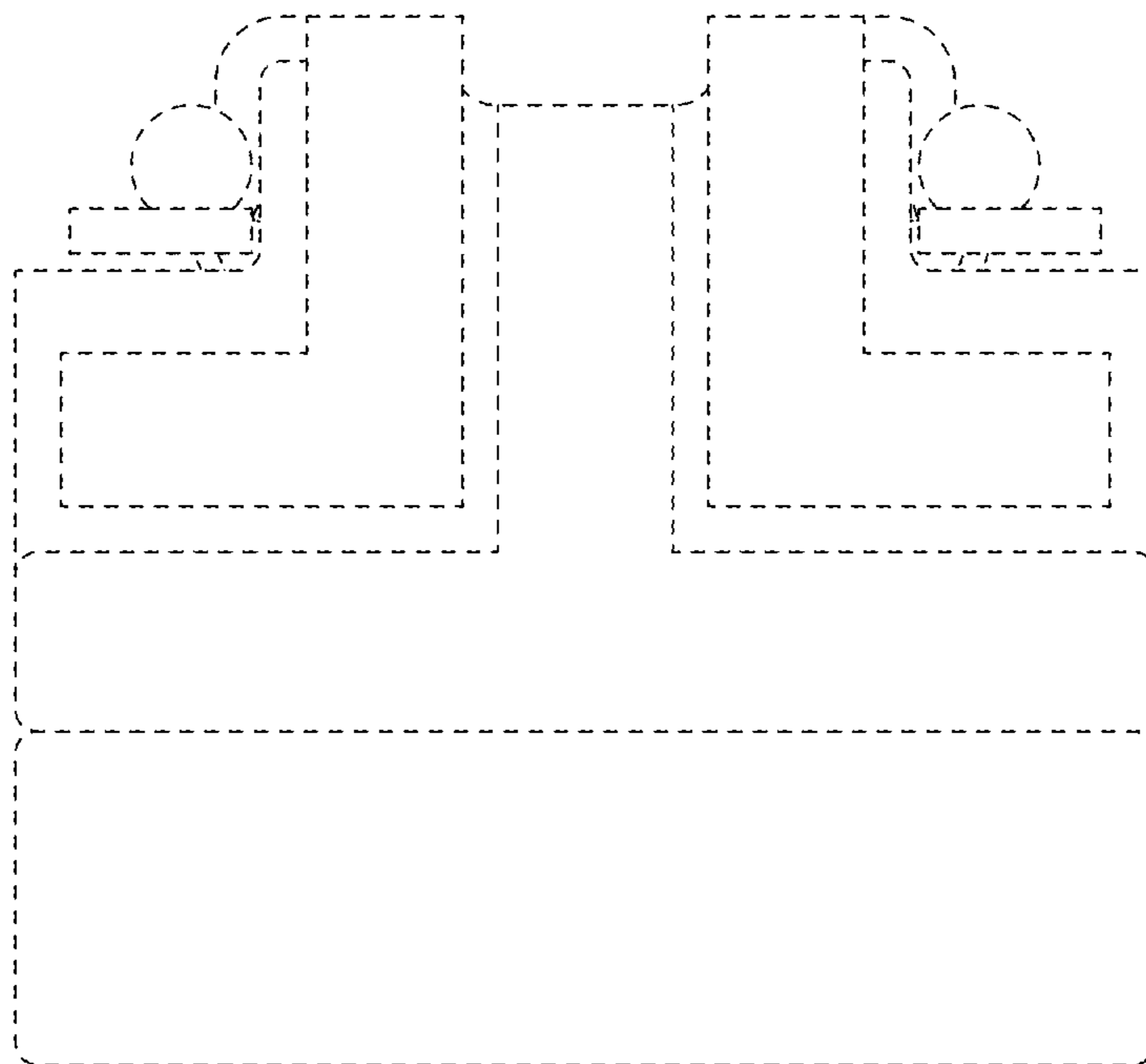


FIG. 15

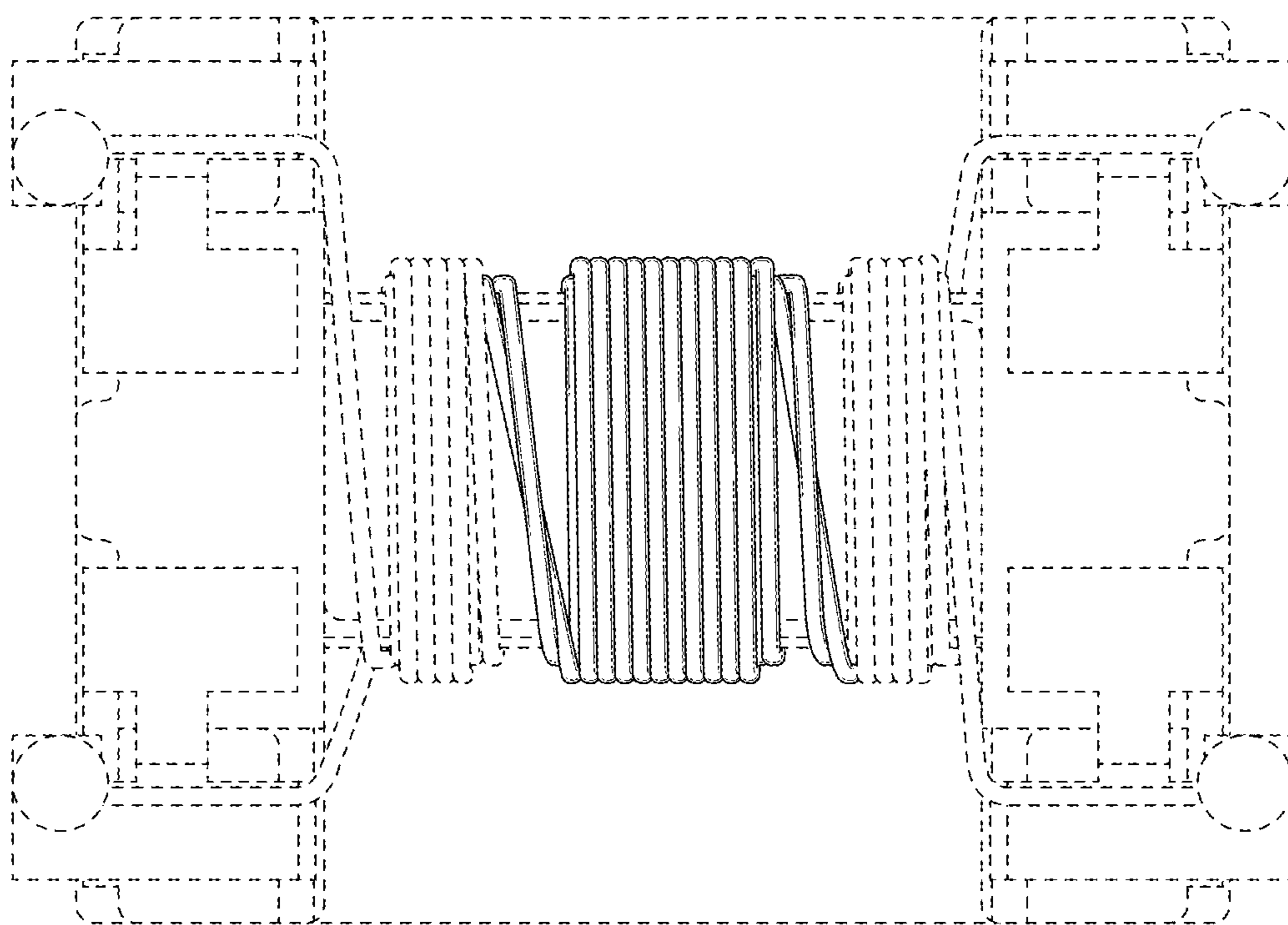


FIG. 16



FIG. 17

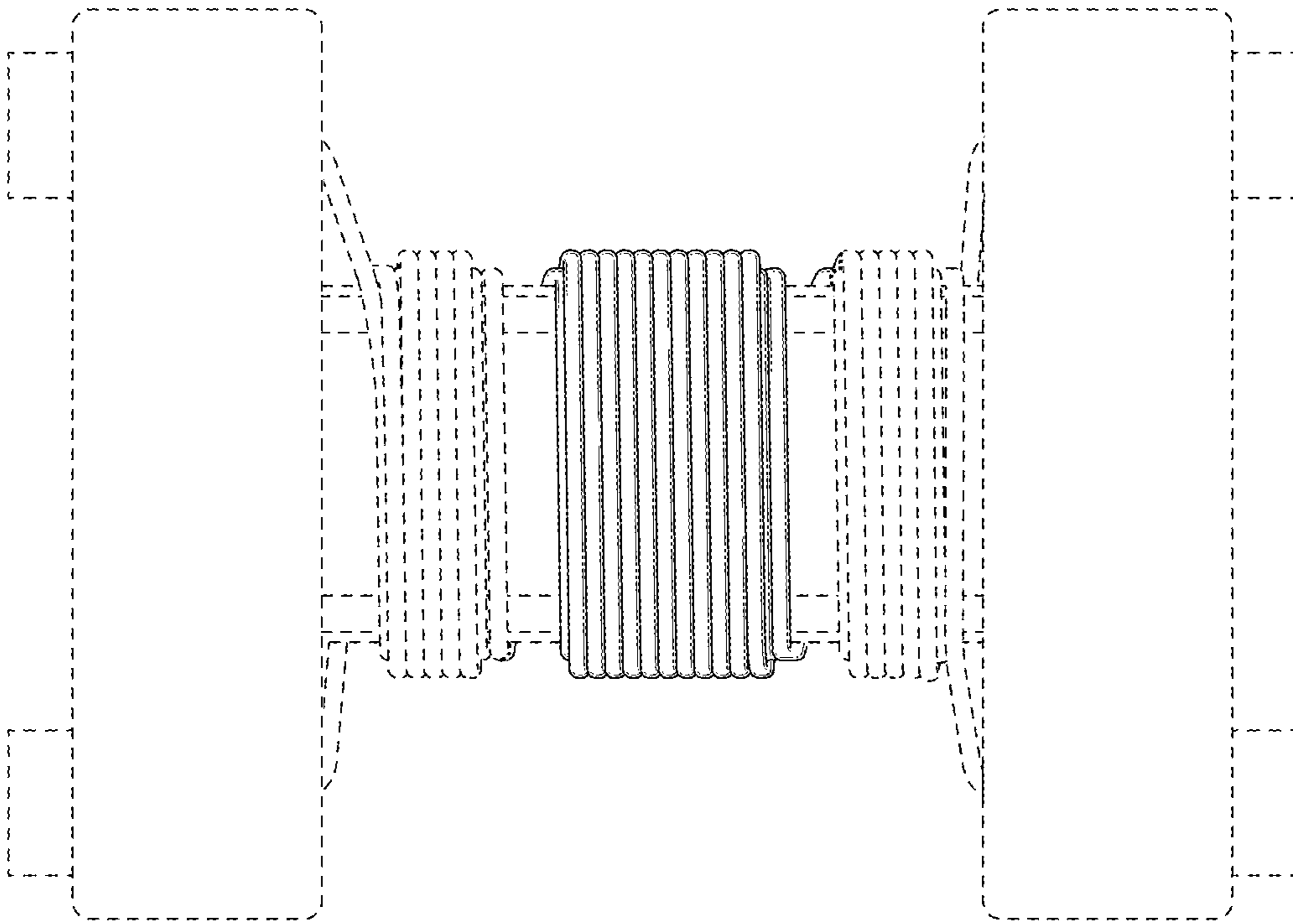


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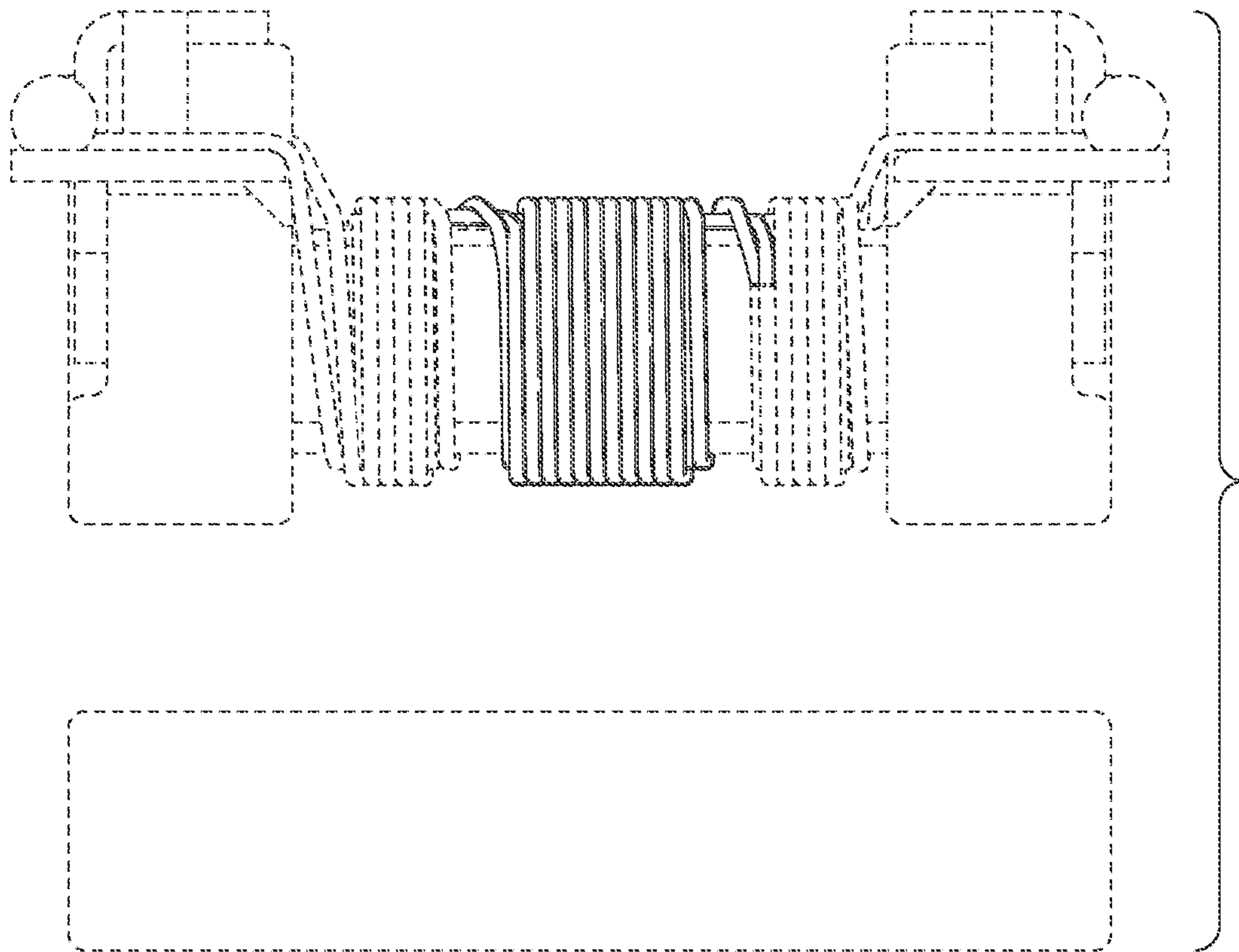




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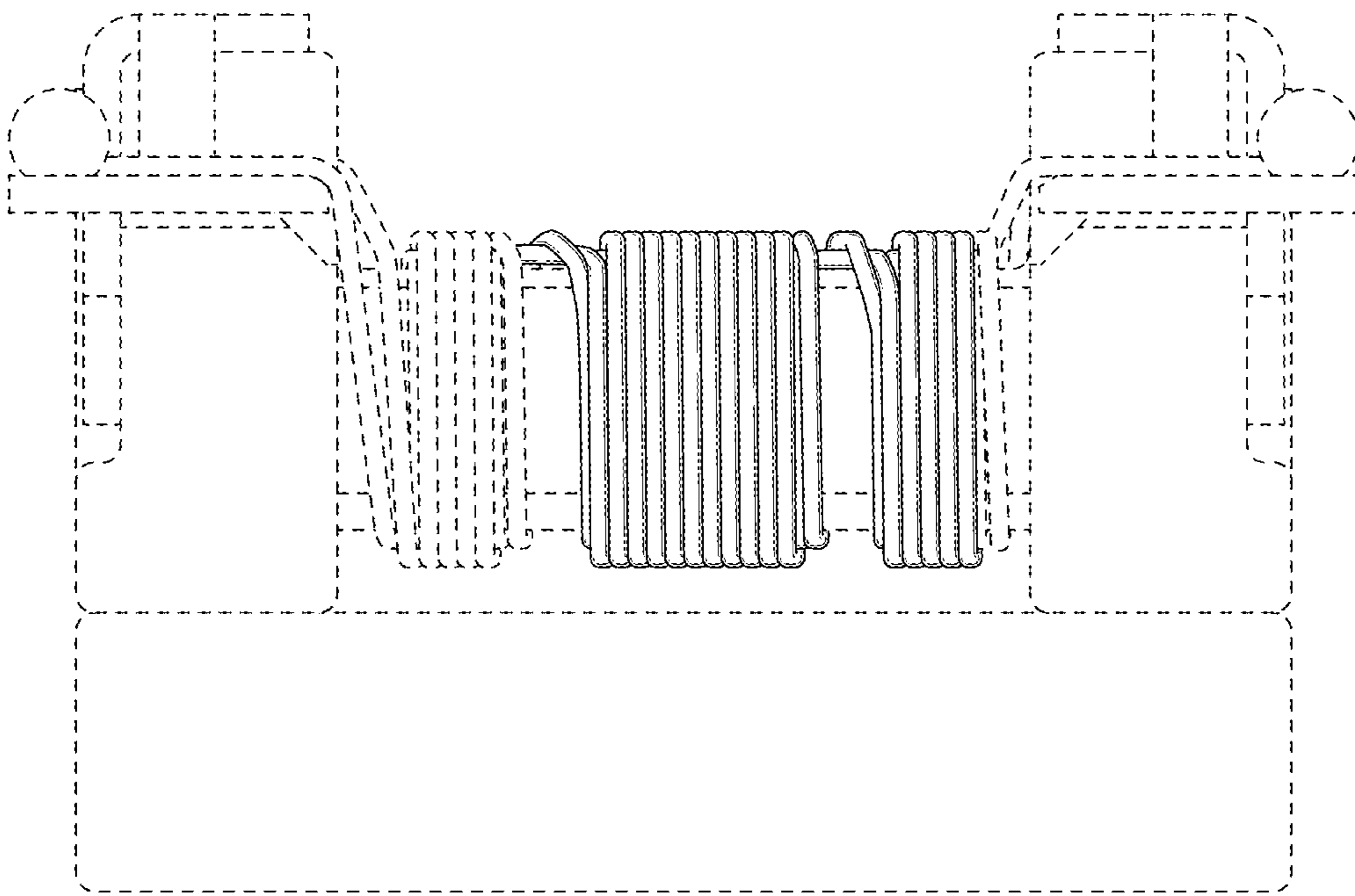


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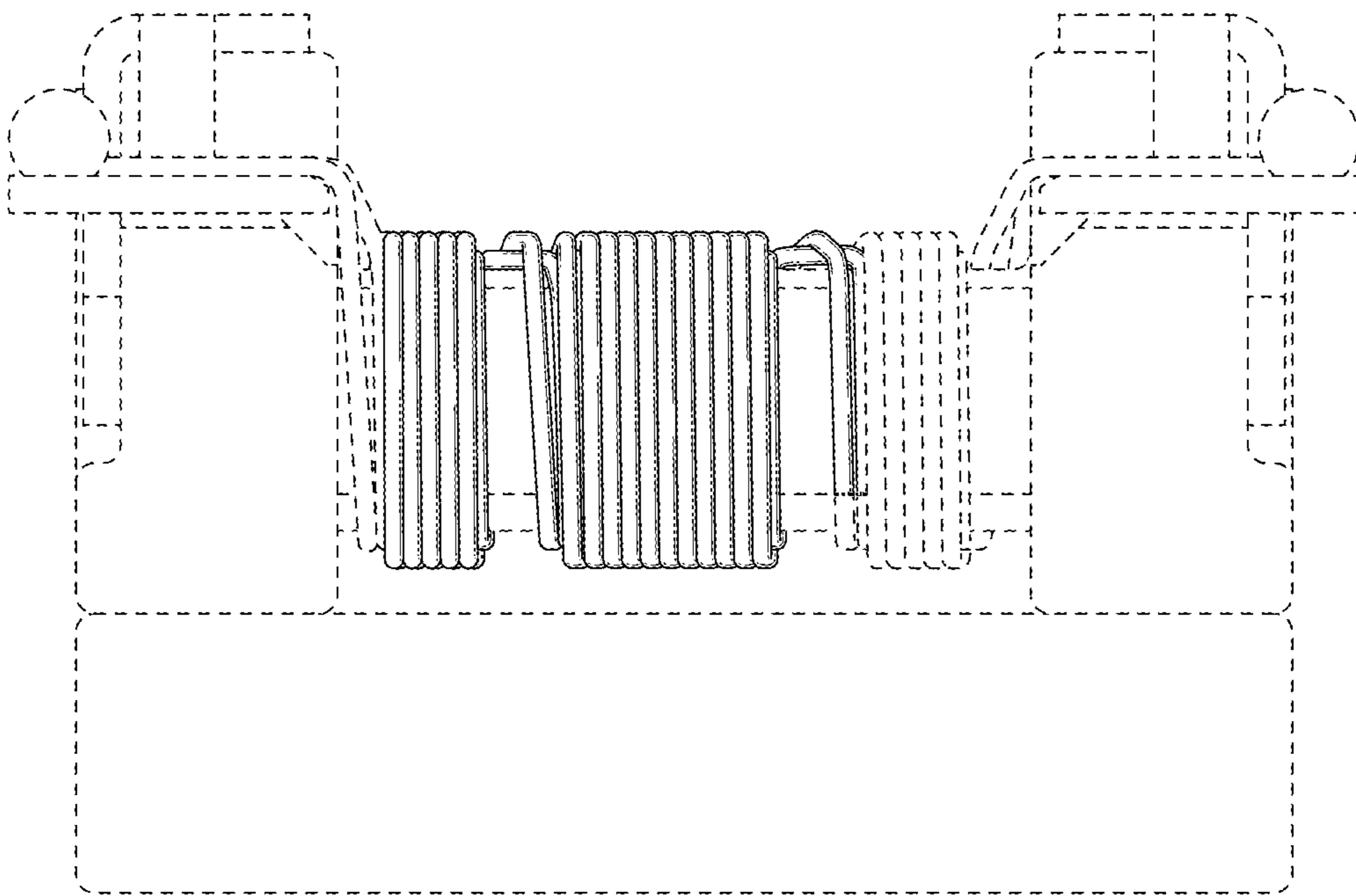


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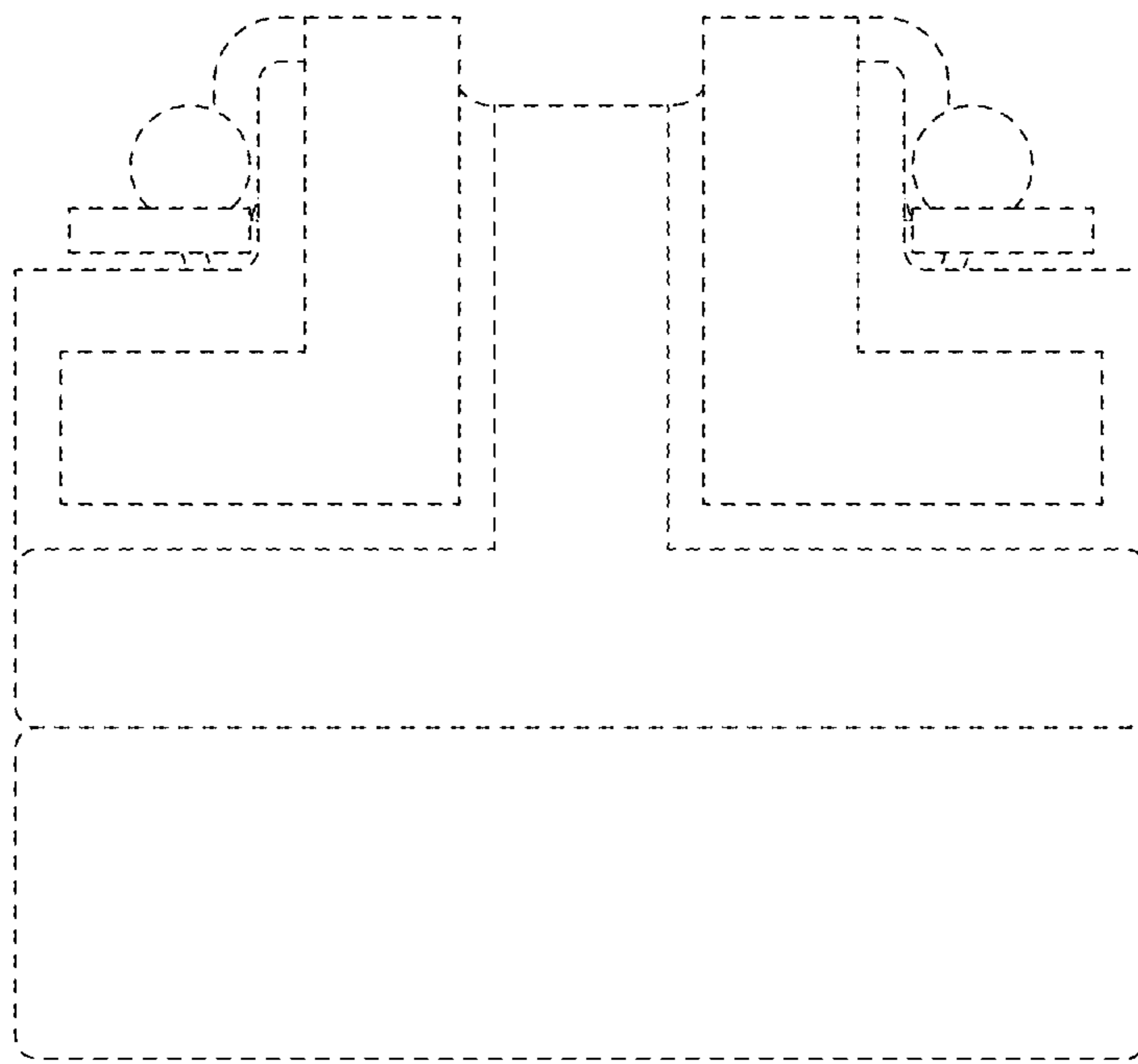


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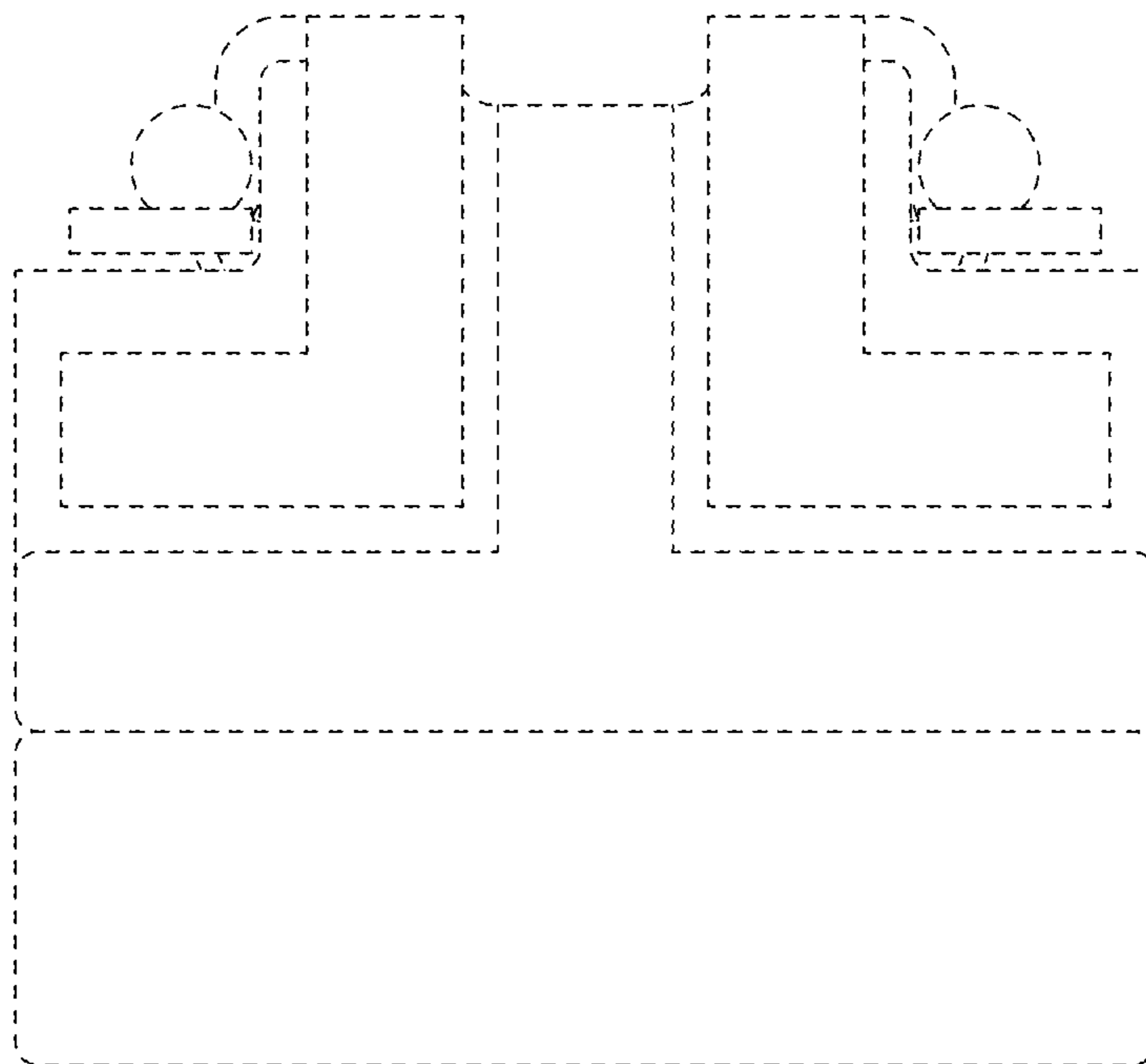


FIG. 23

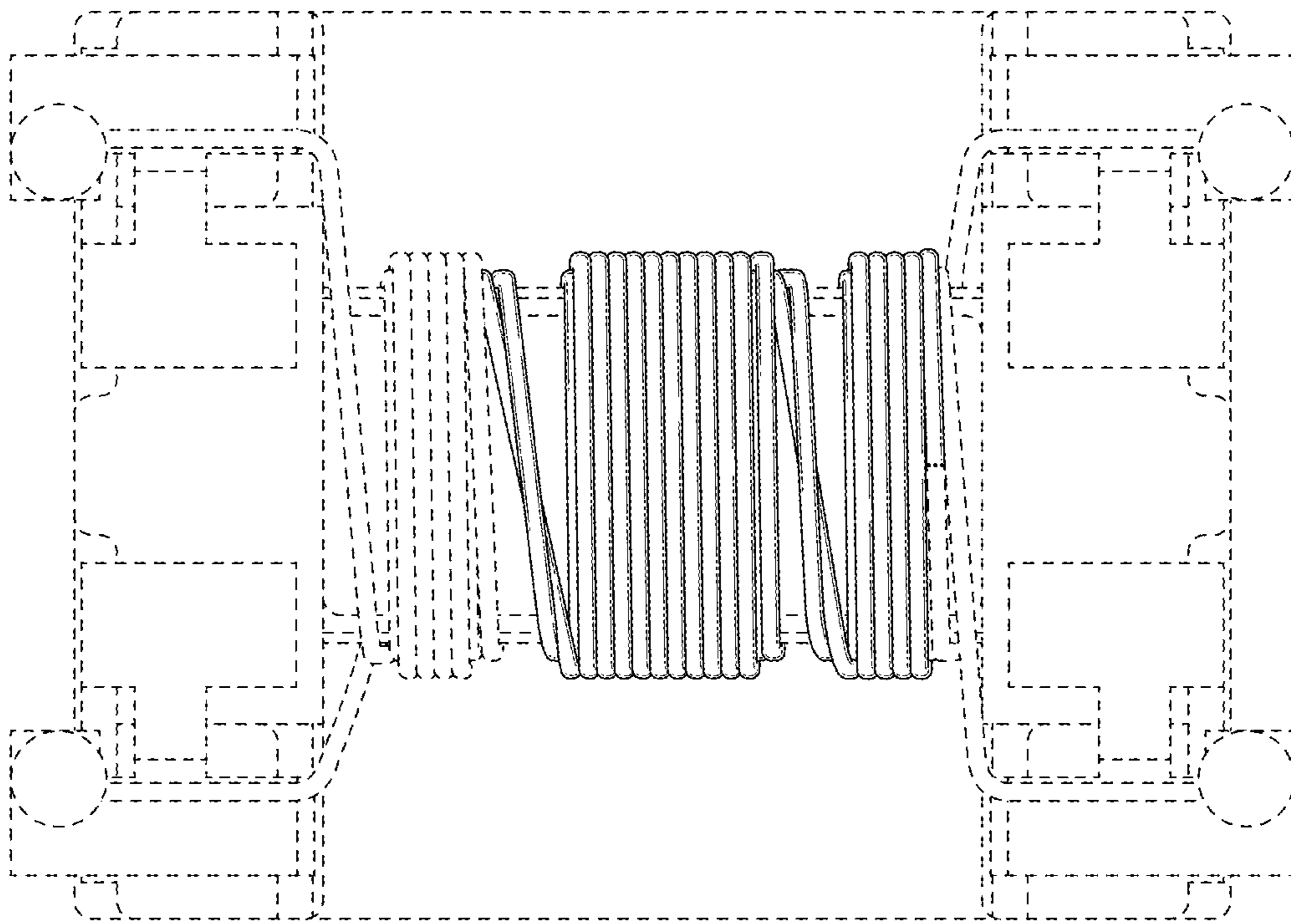


FIG. 24

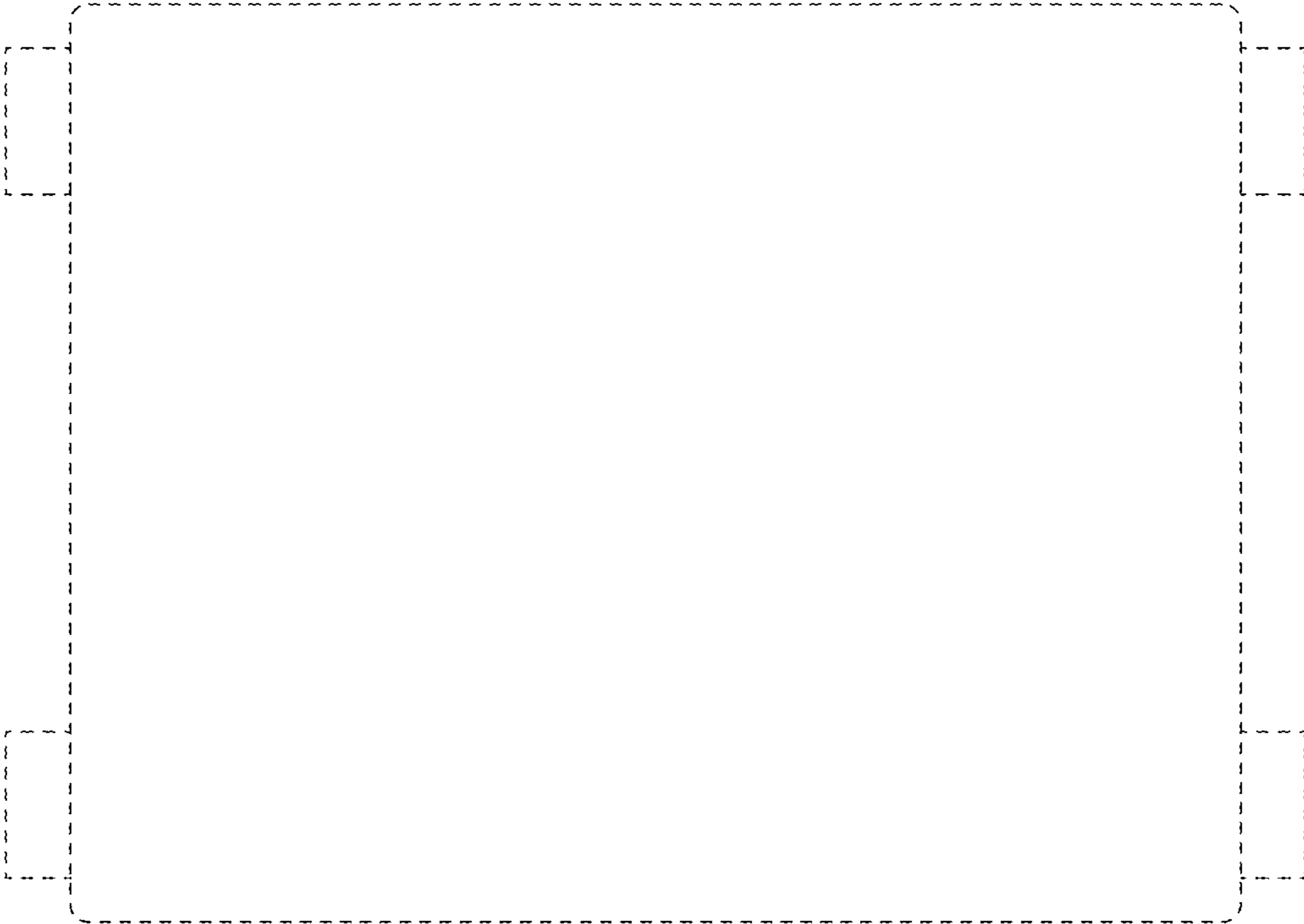




FIG. 25

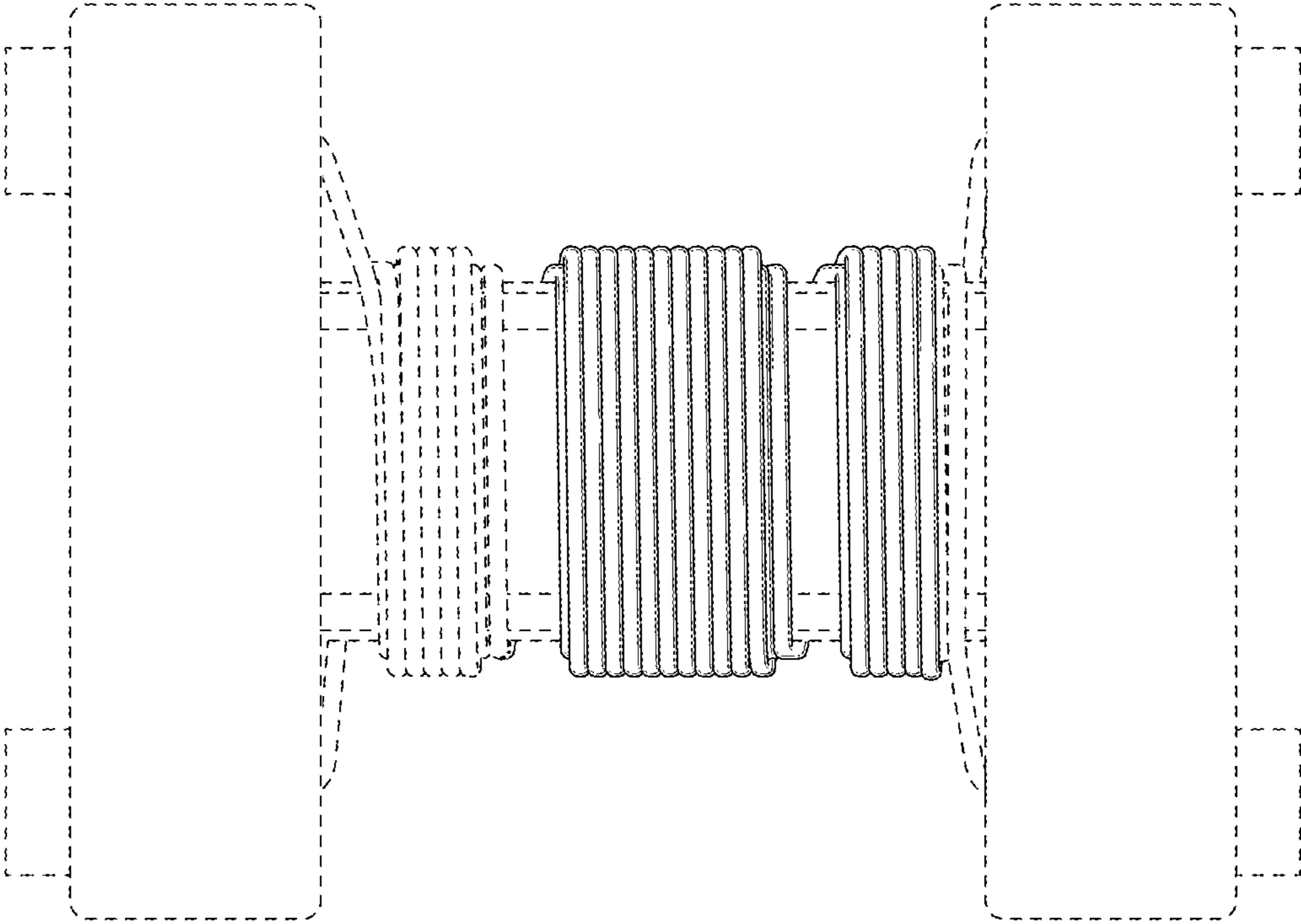


FIG. 26

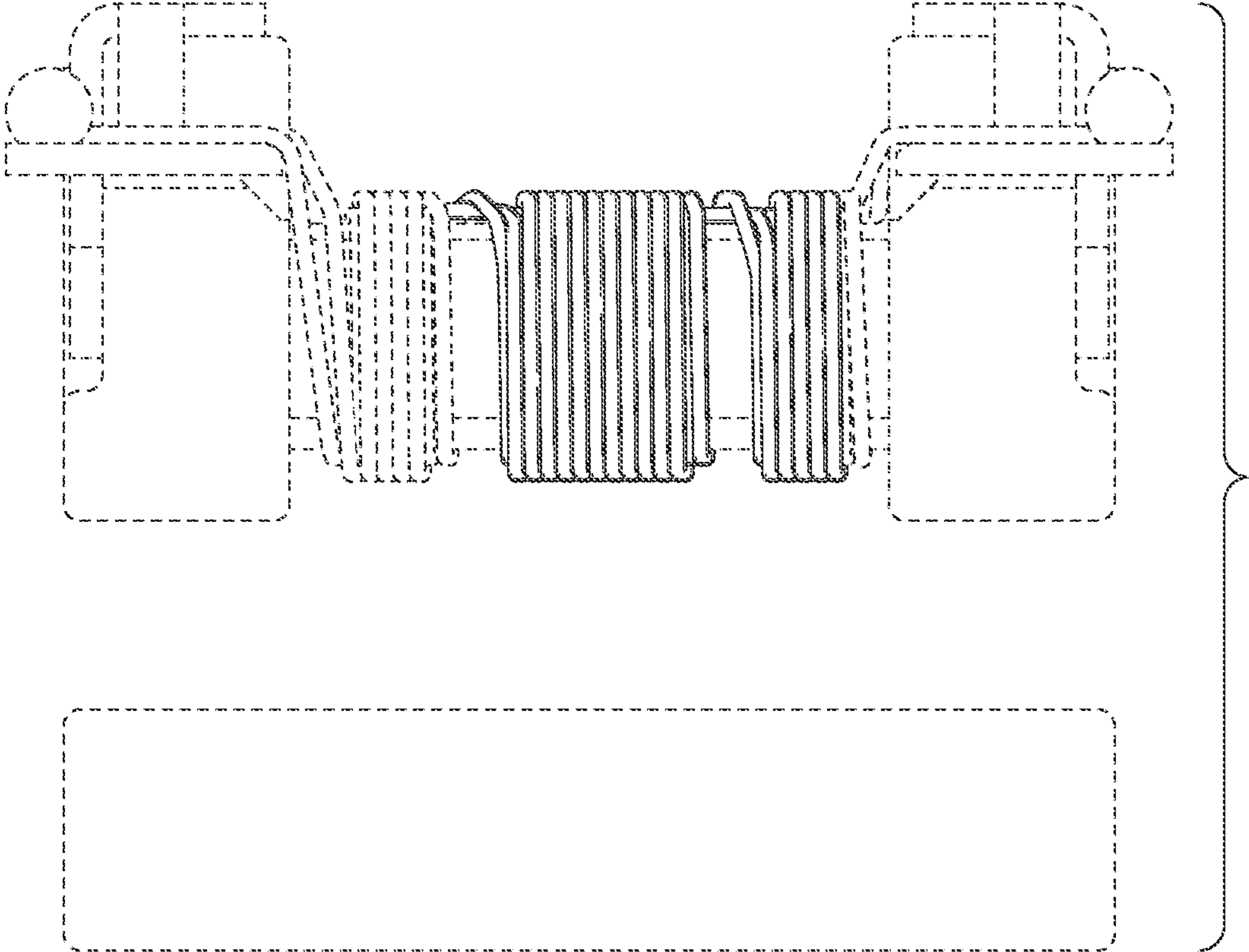


FIG. 27

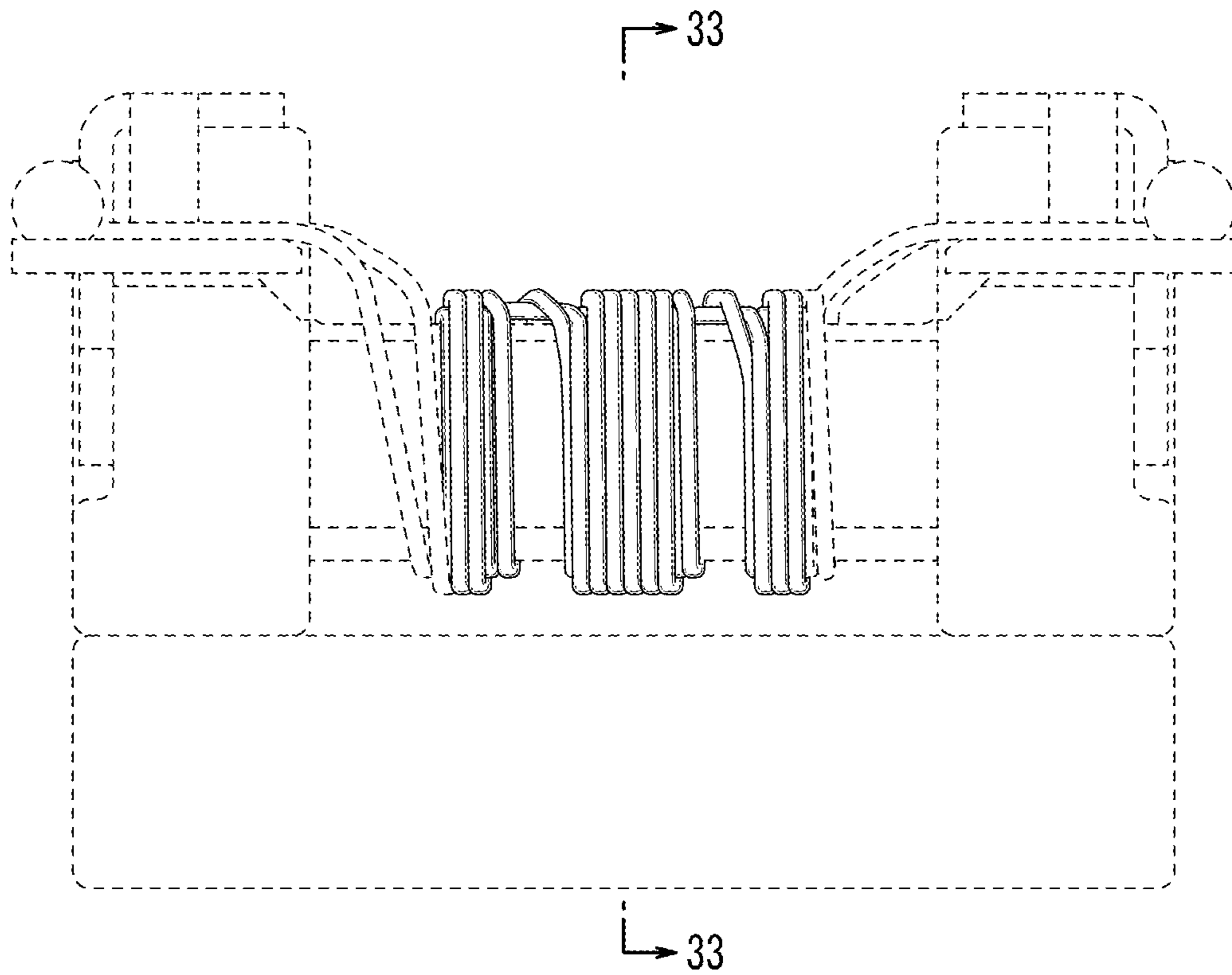


FIG. 28

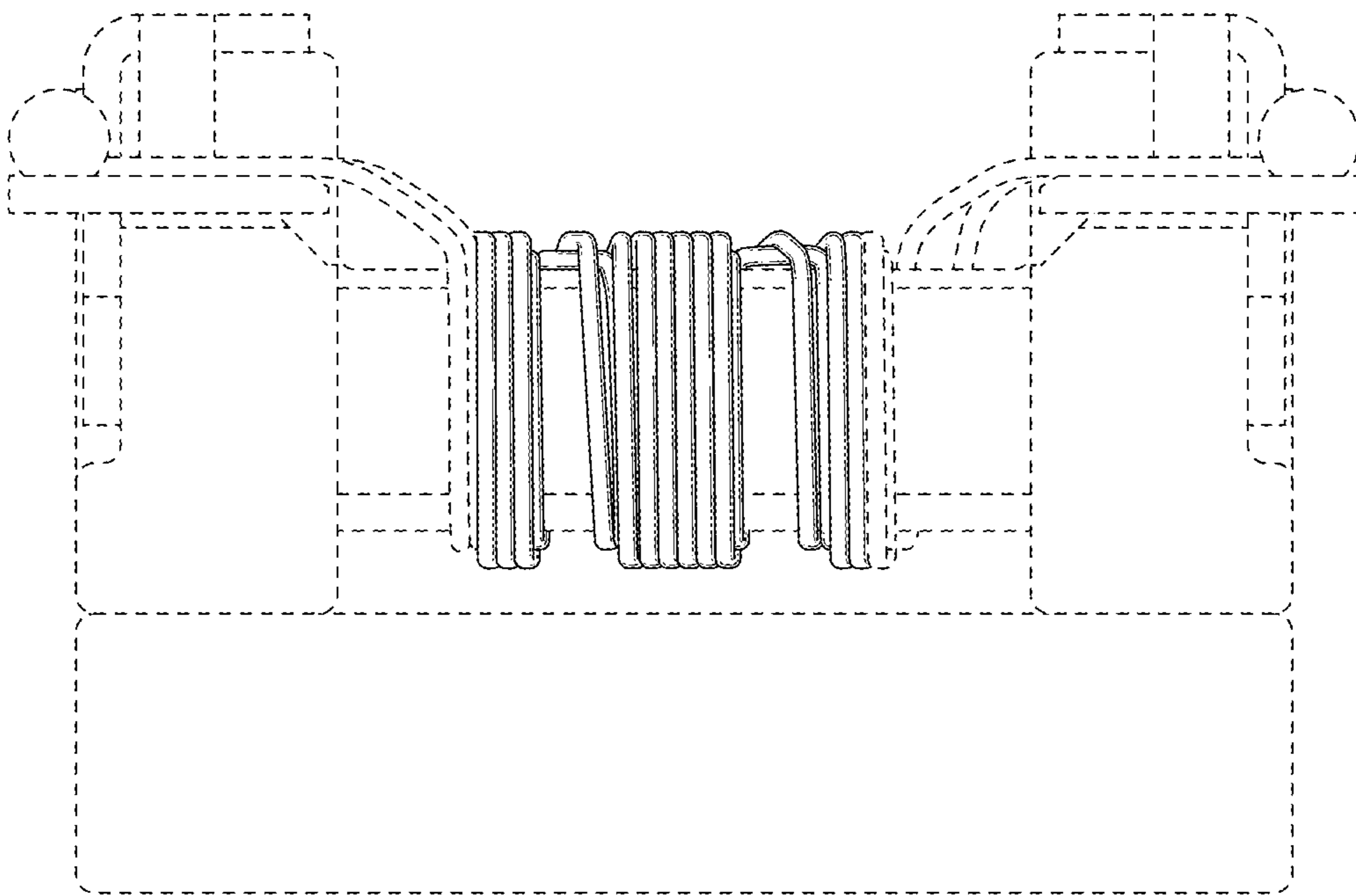


FIG. 29

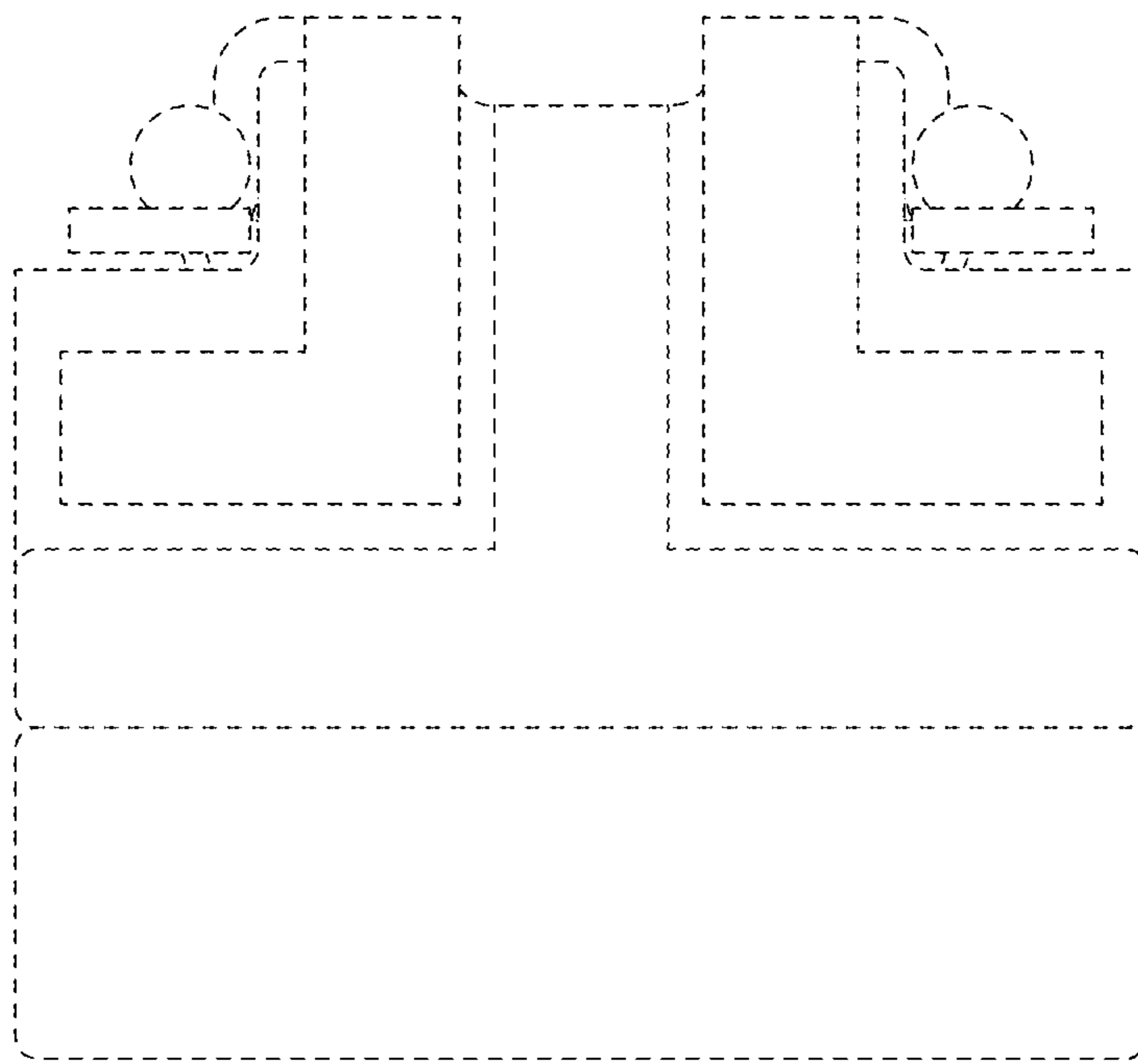


FIG. 30

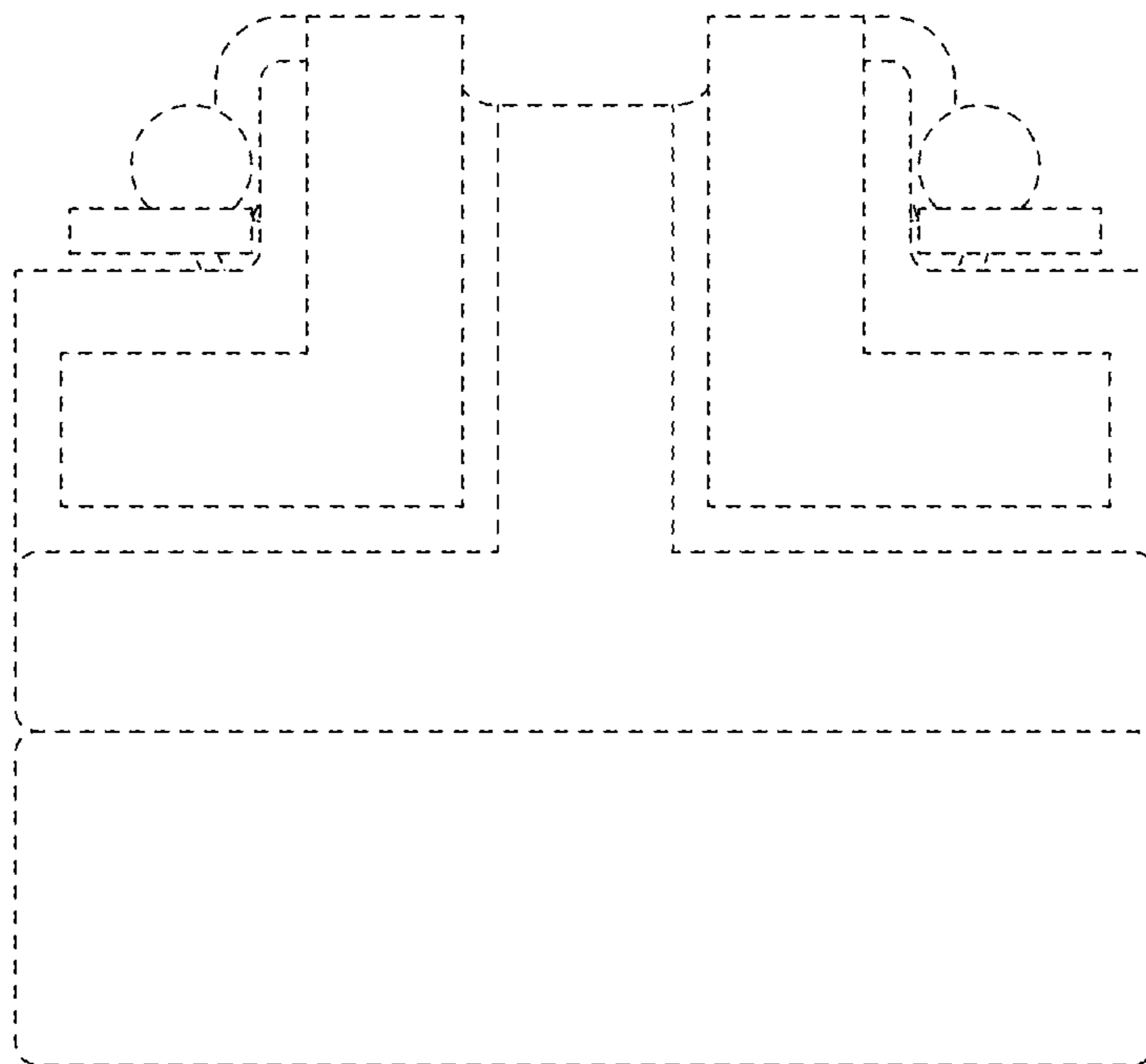




FIG. 31

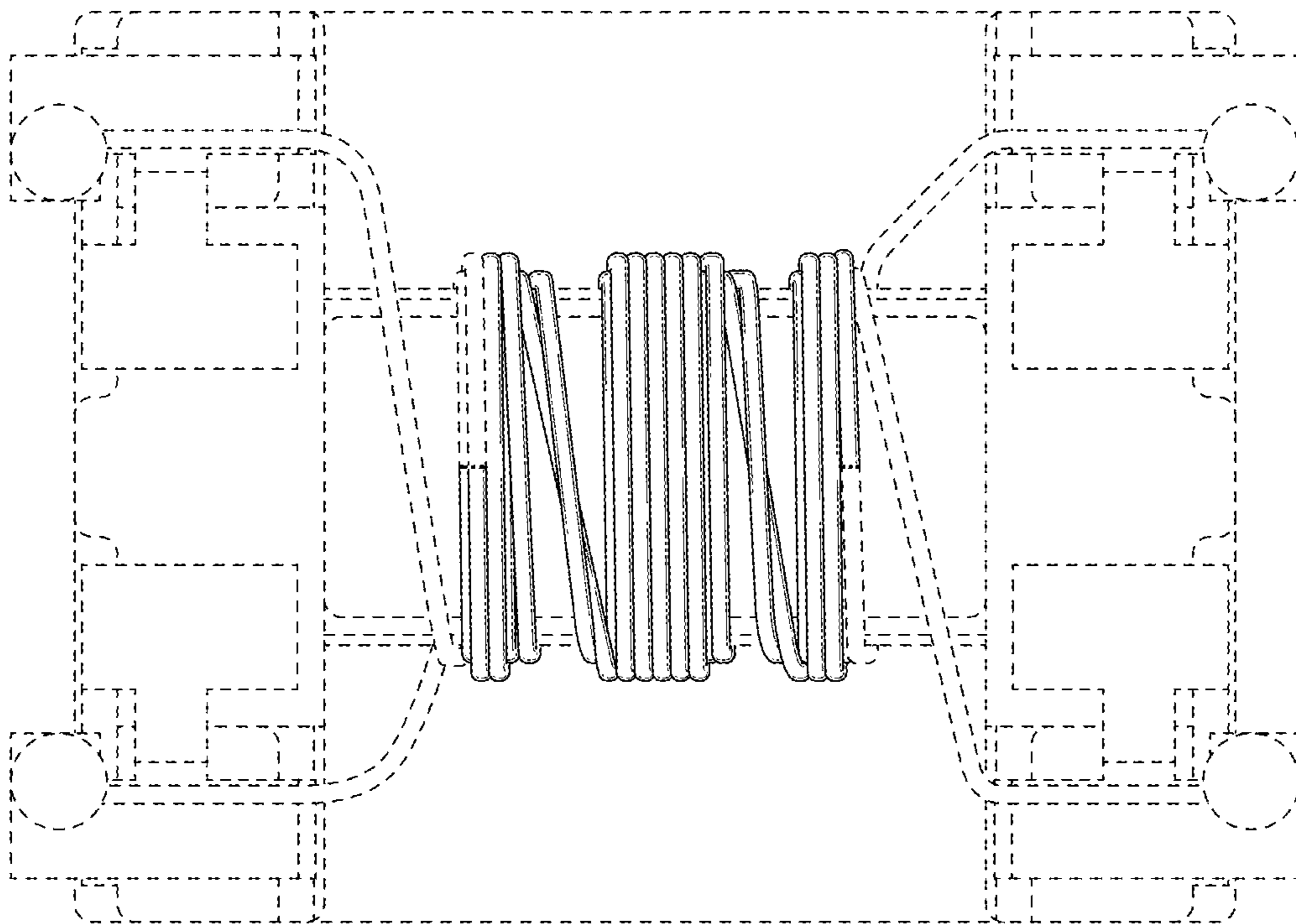


FIG. 32



FIG. 33

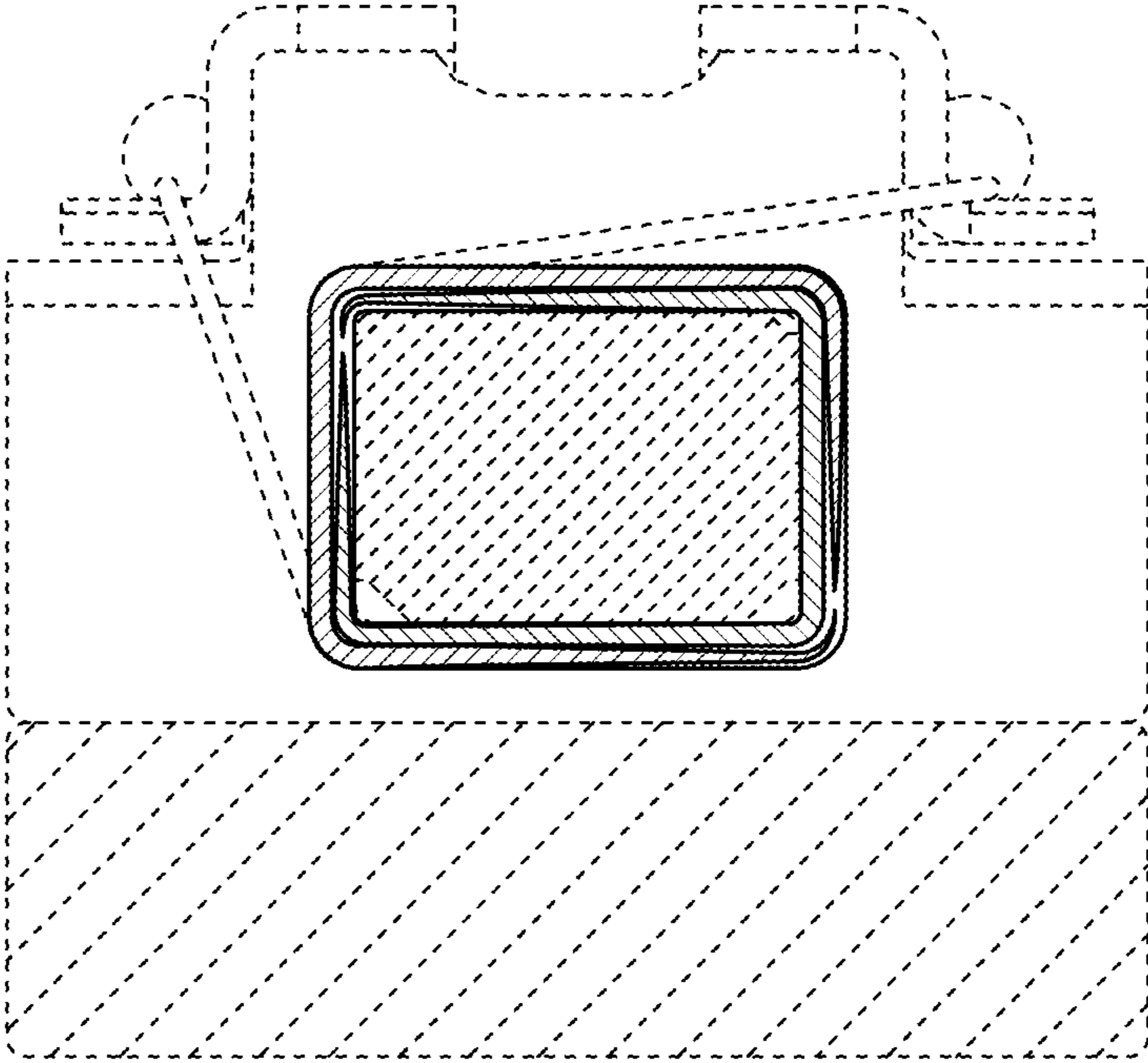


FIG. 34

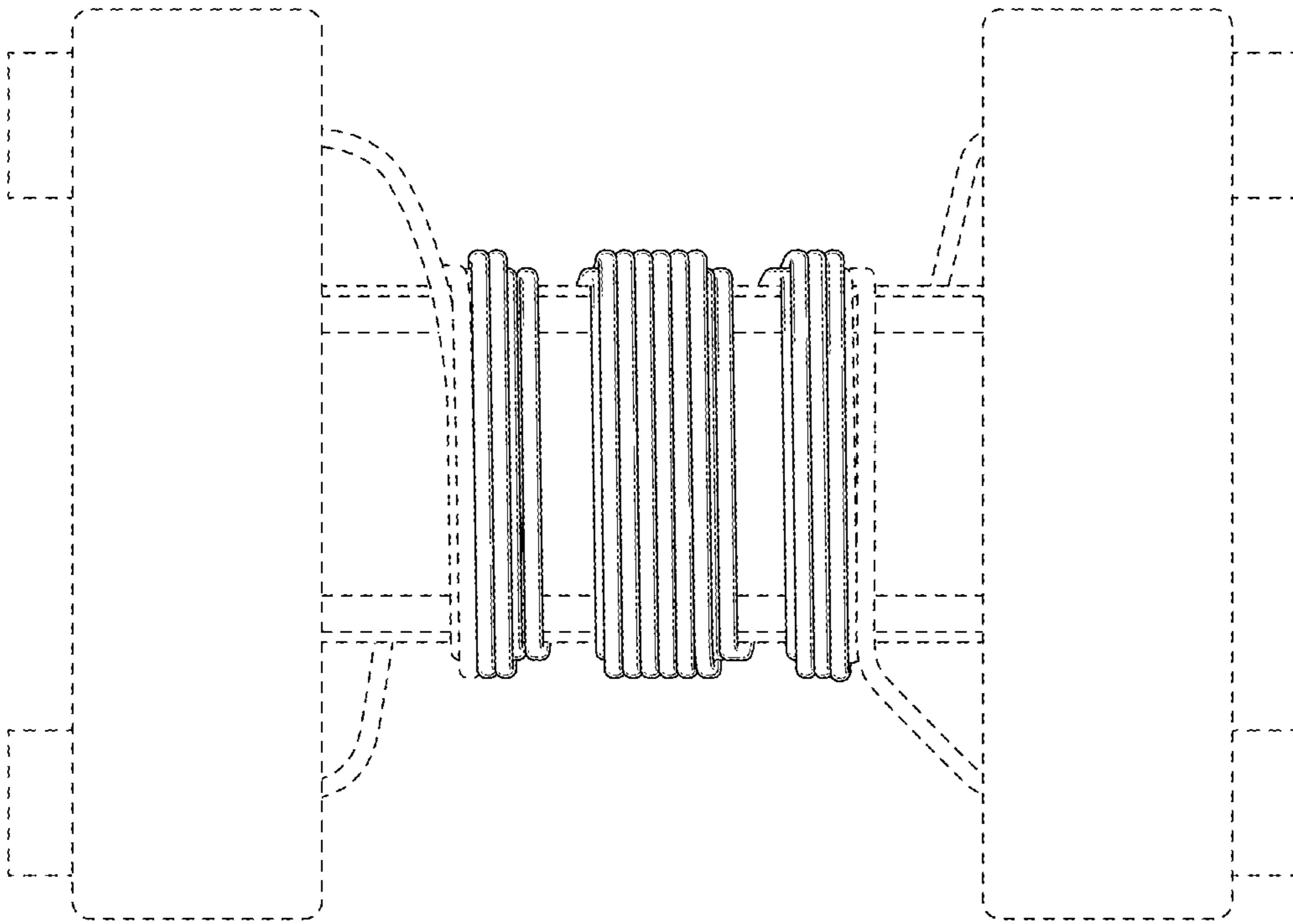


FIG. 35

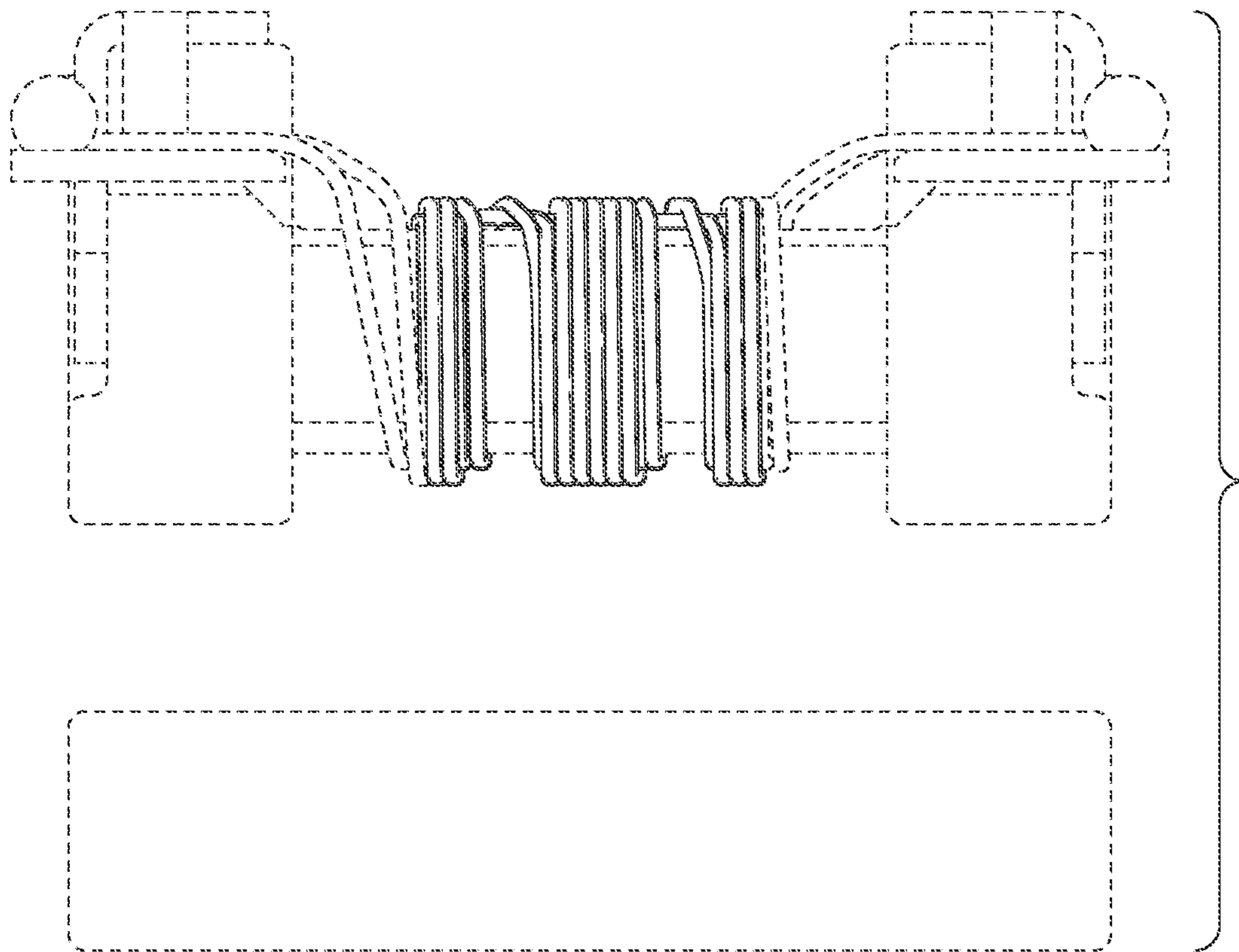


FIG. 36

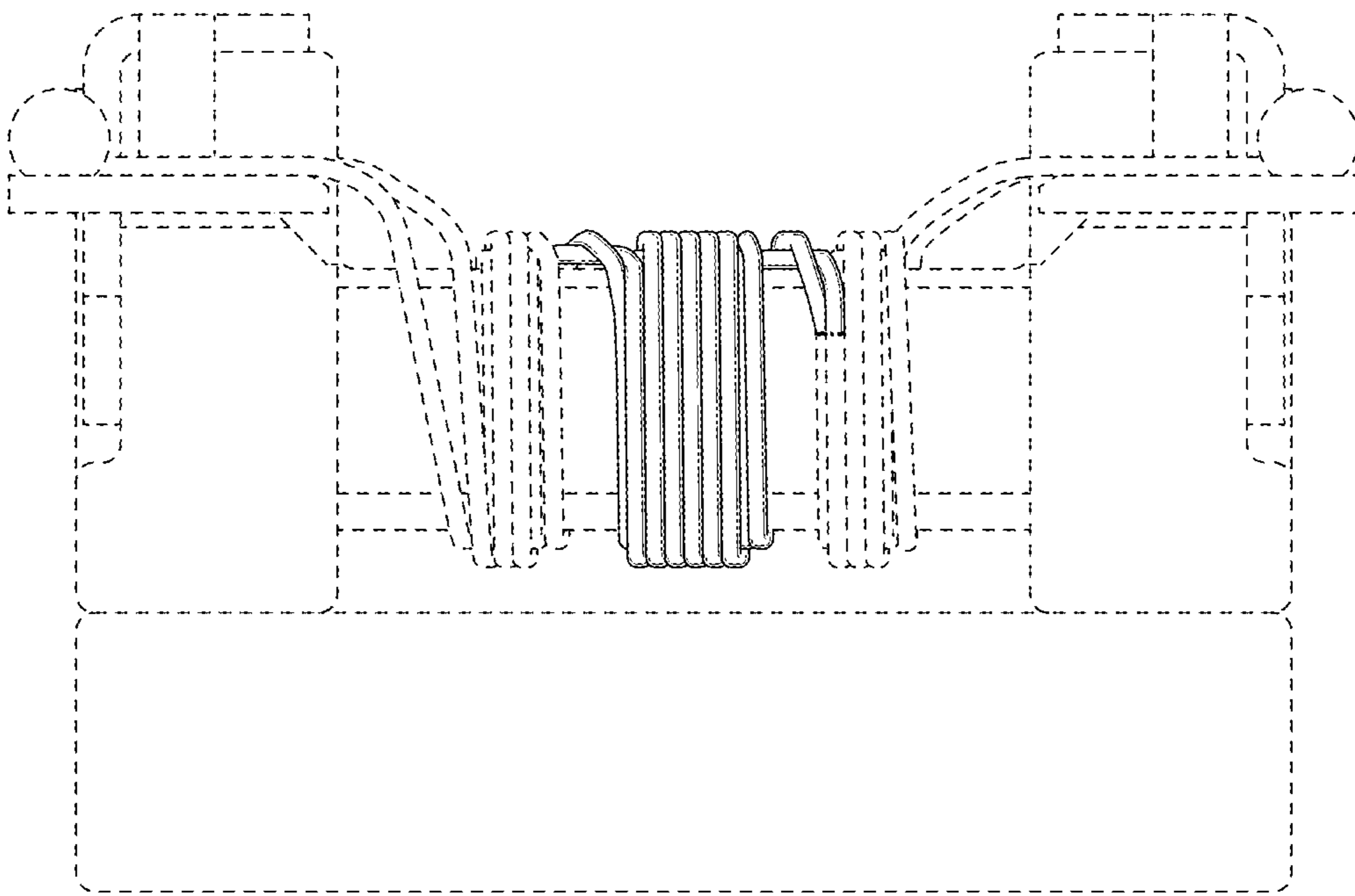


FIG. 37

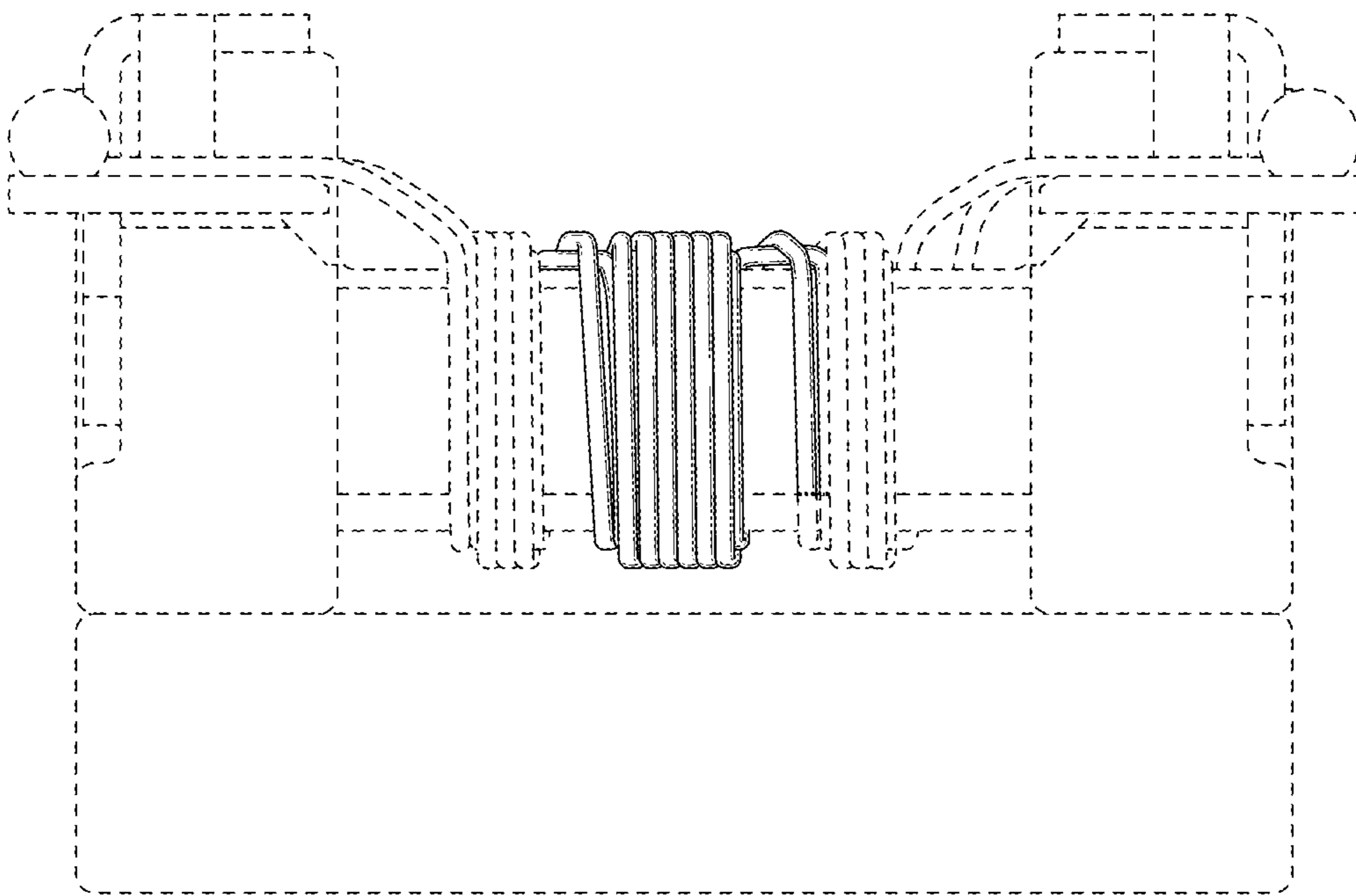


FIG. 38

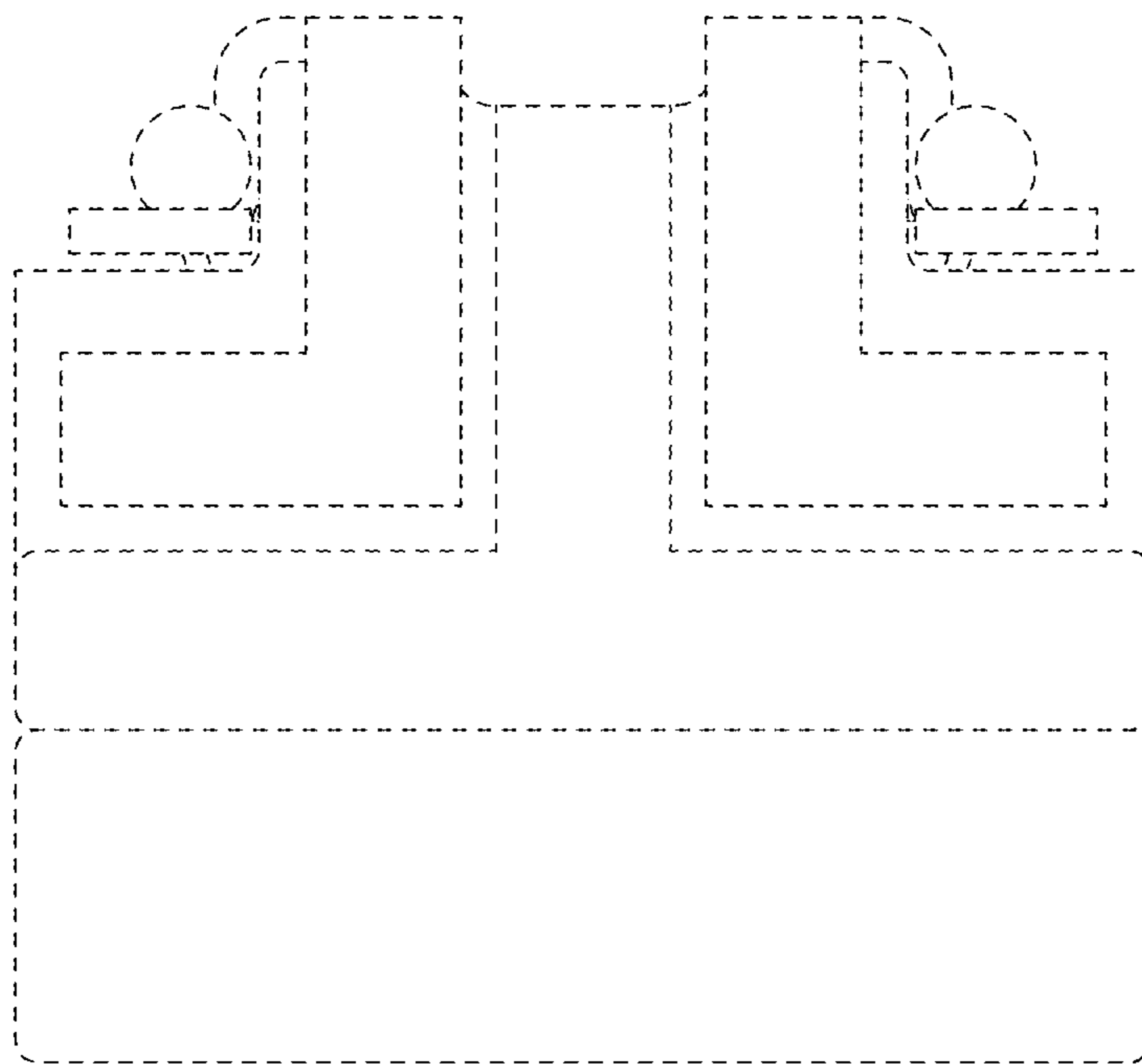




FIG. 39

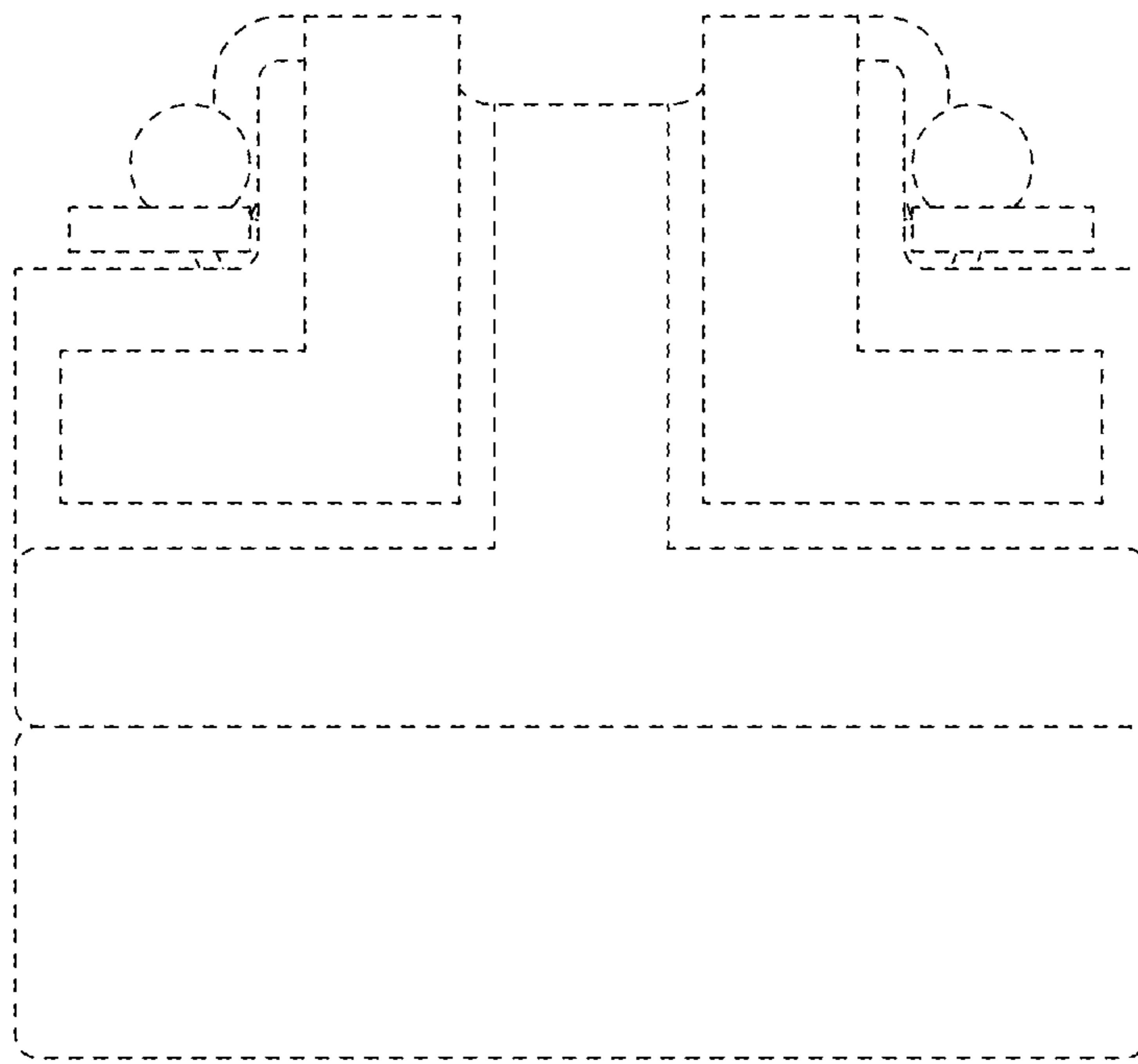


FIG. 40

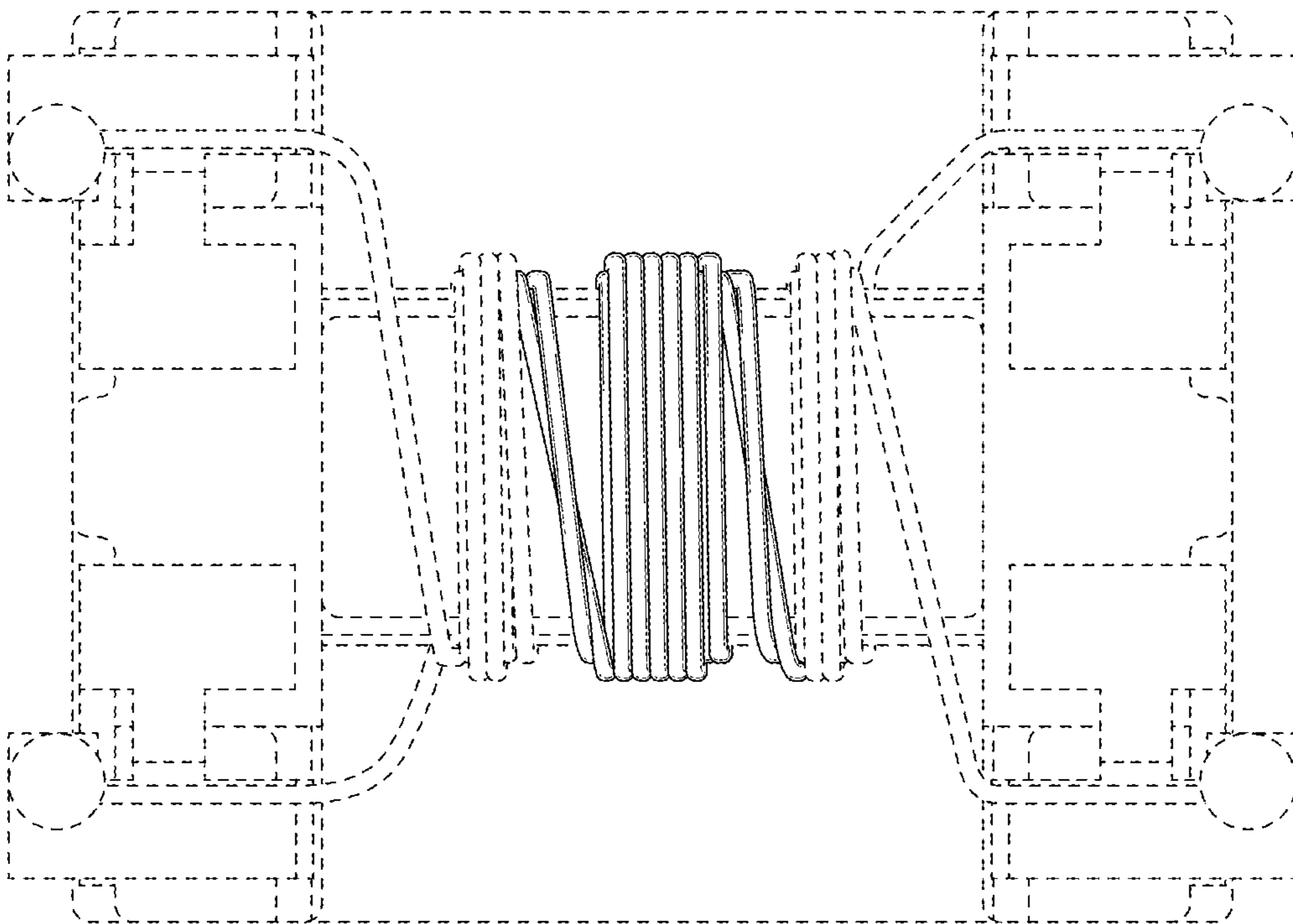


FIG. 41

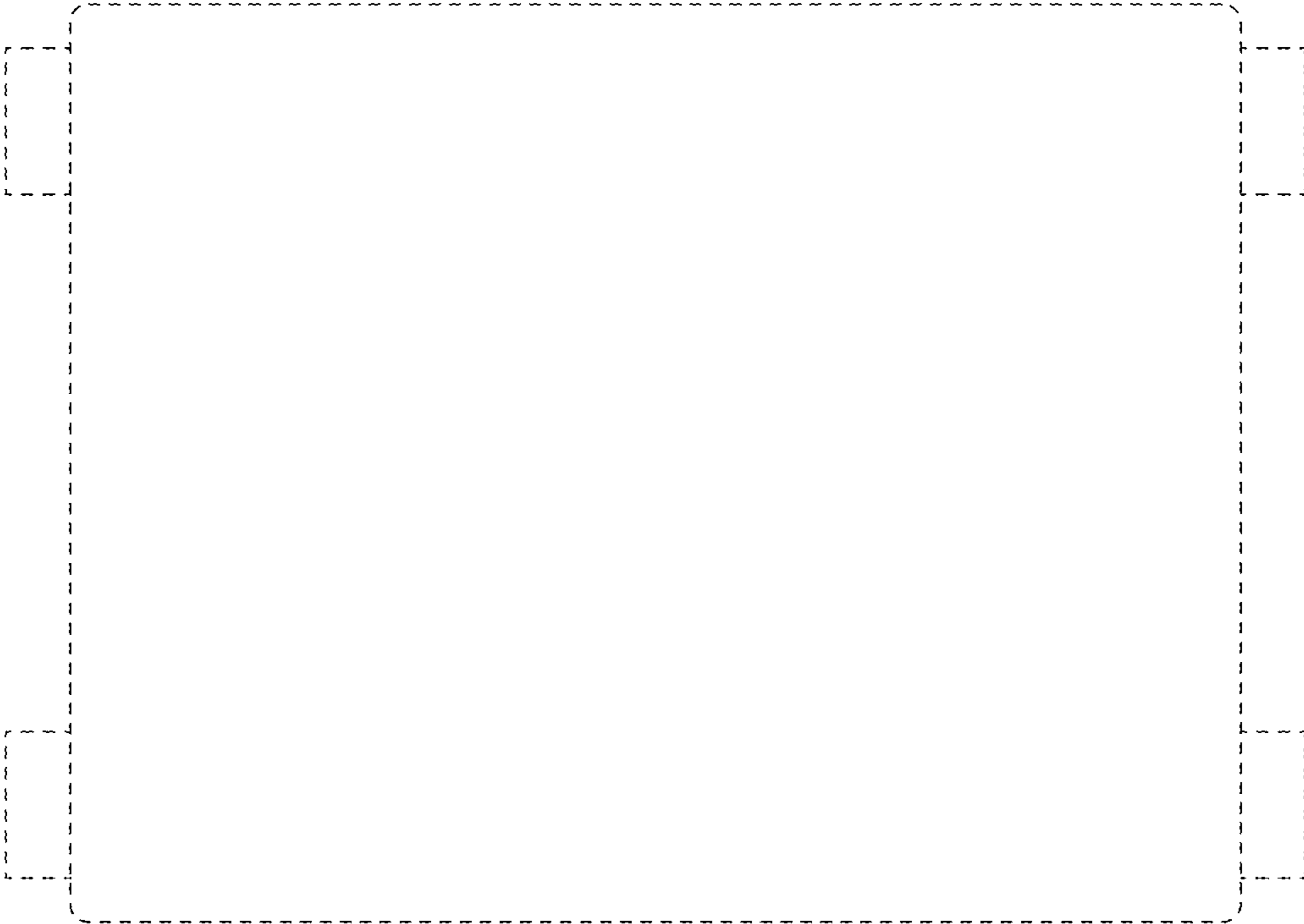


FIG. 42

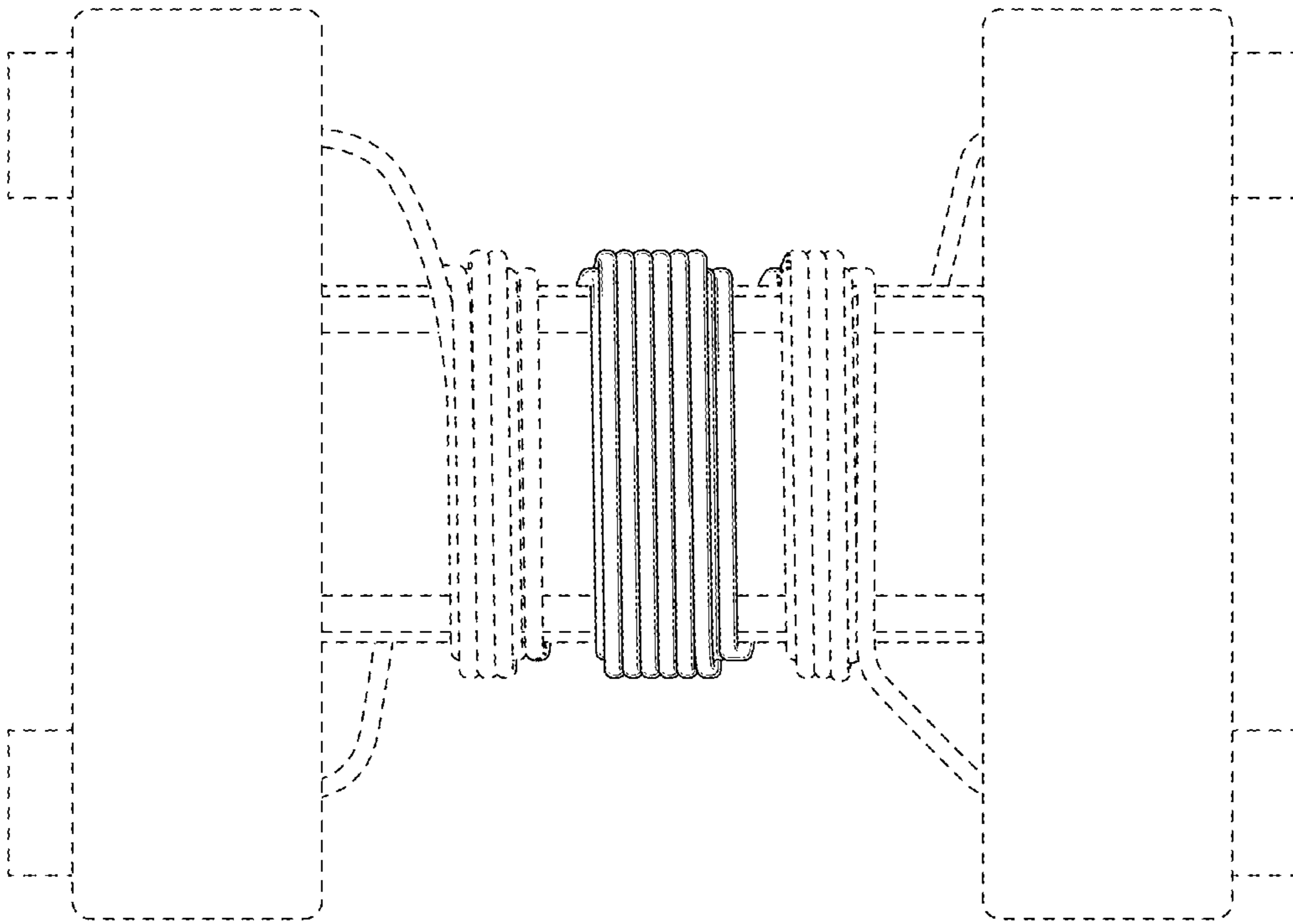


FIG. 43

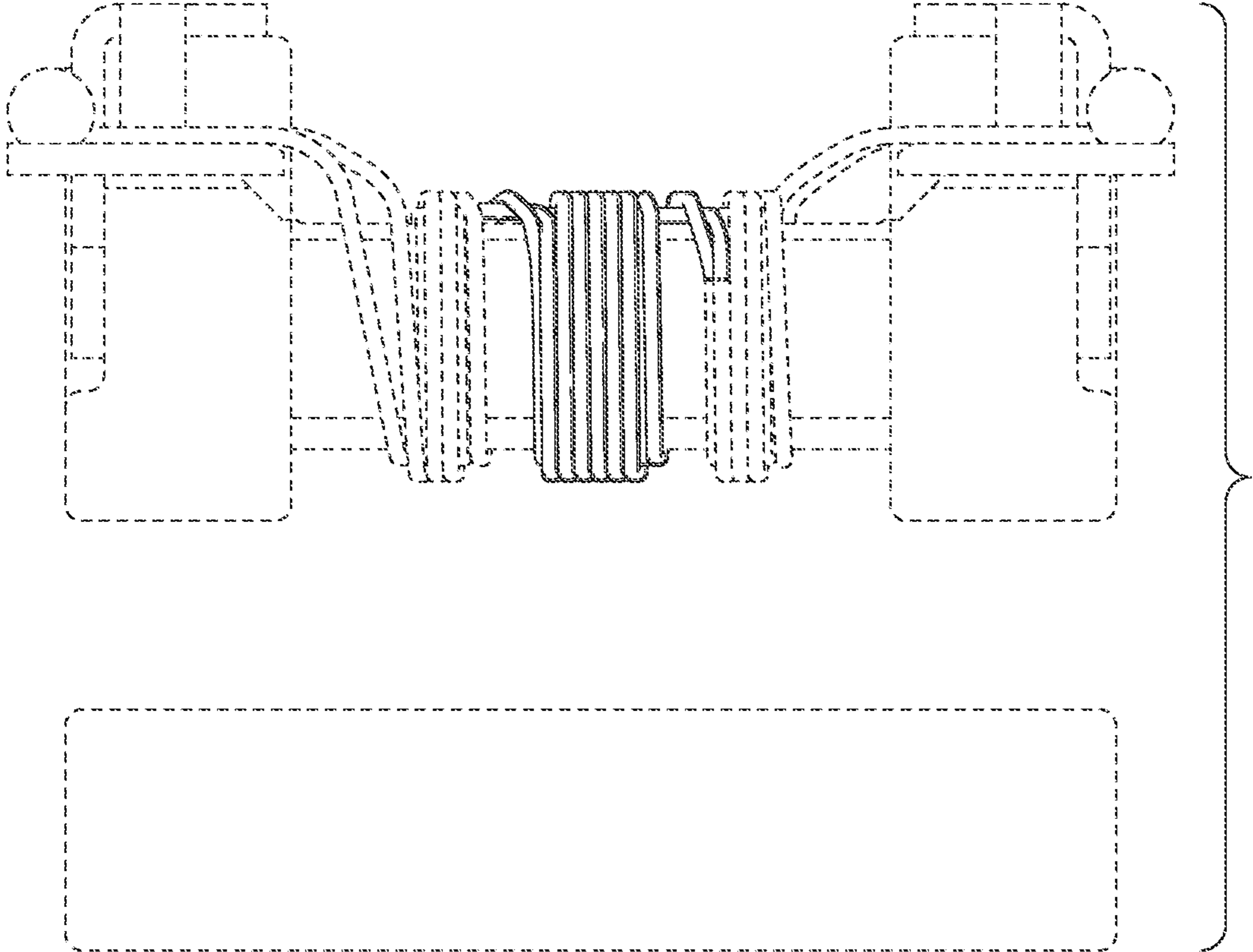


FIG. 44

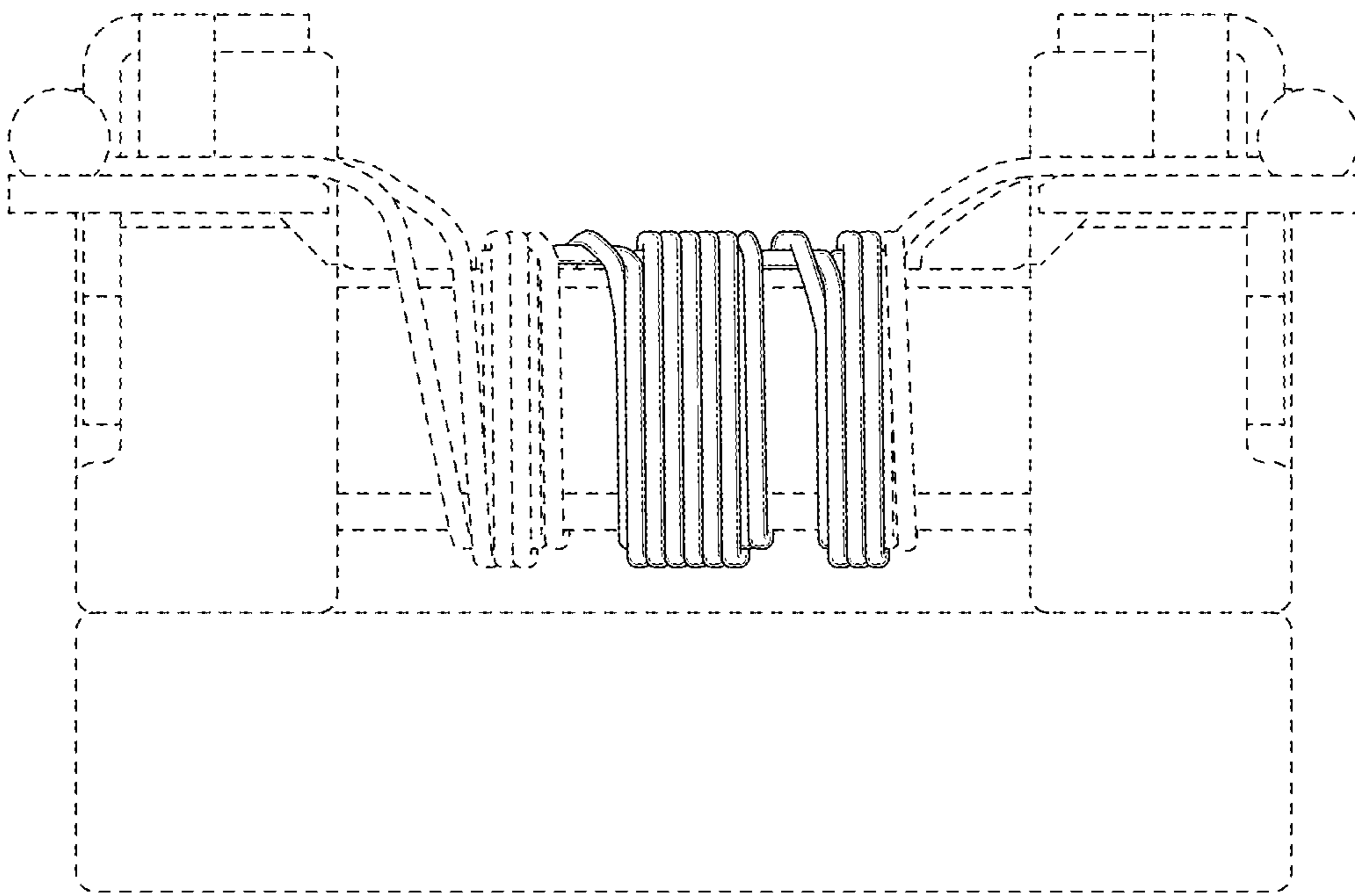


FIG. 45

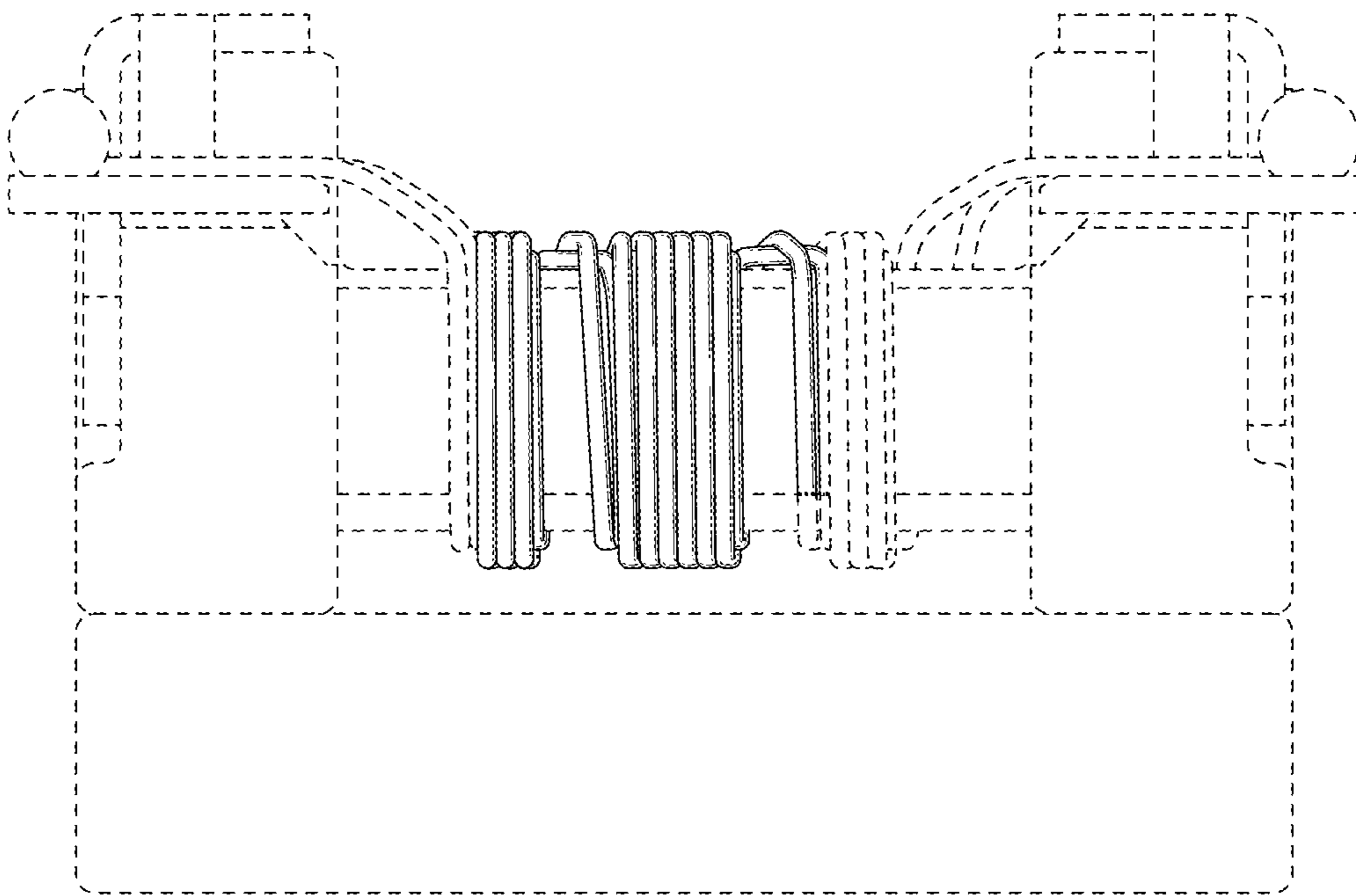


FIG. 46

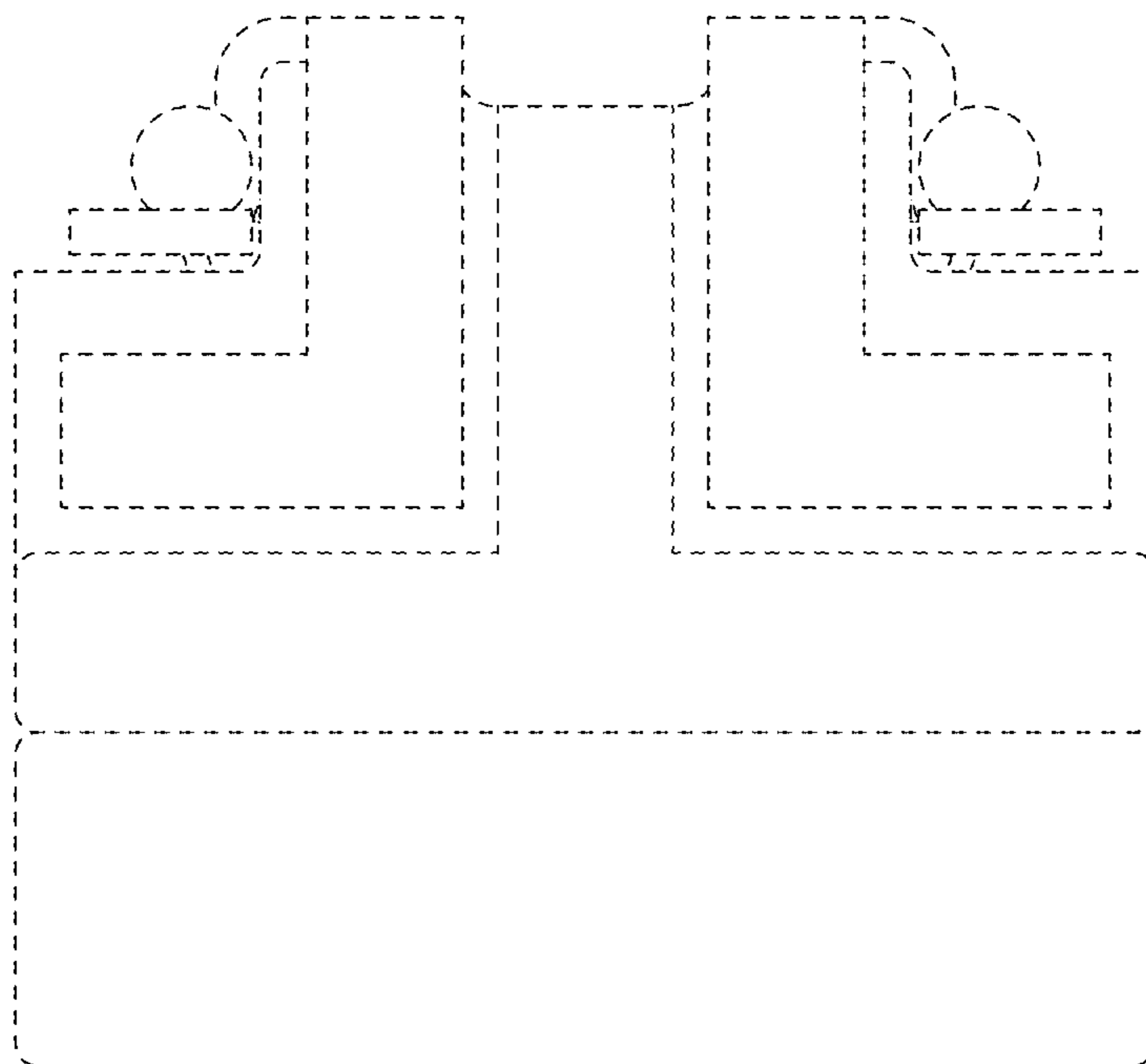




FIG. 47

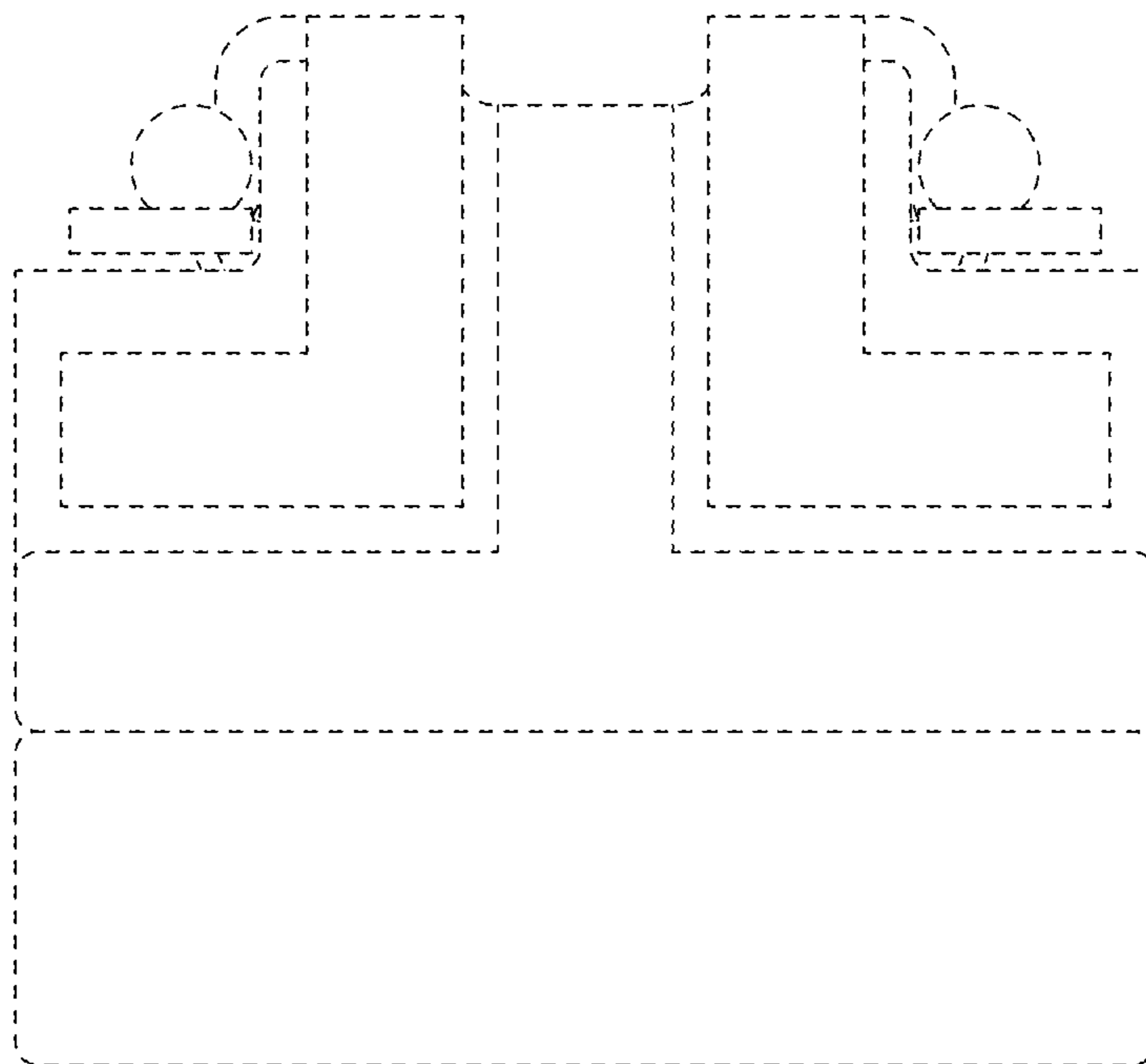


FIG. 48

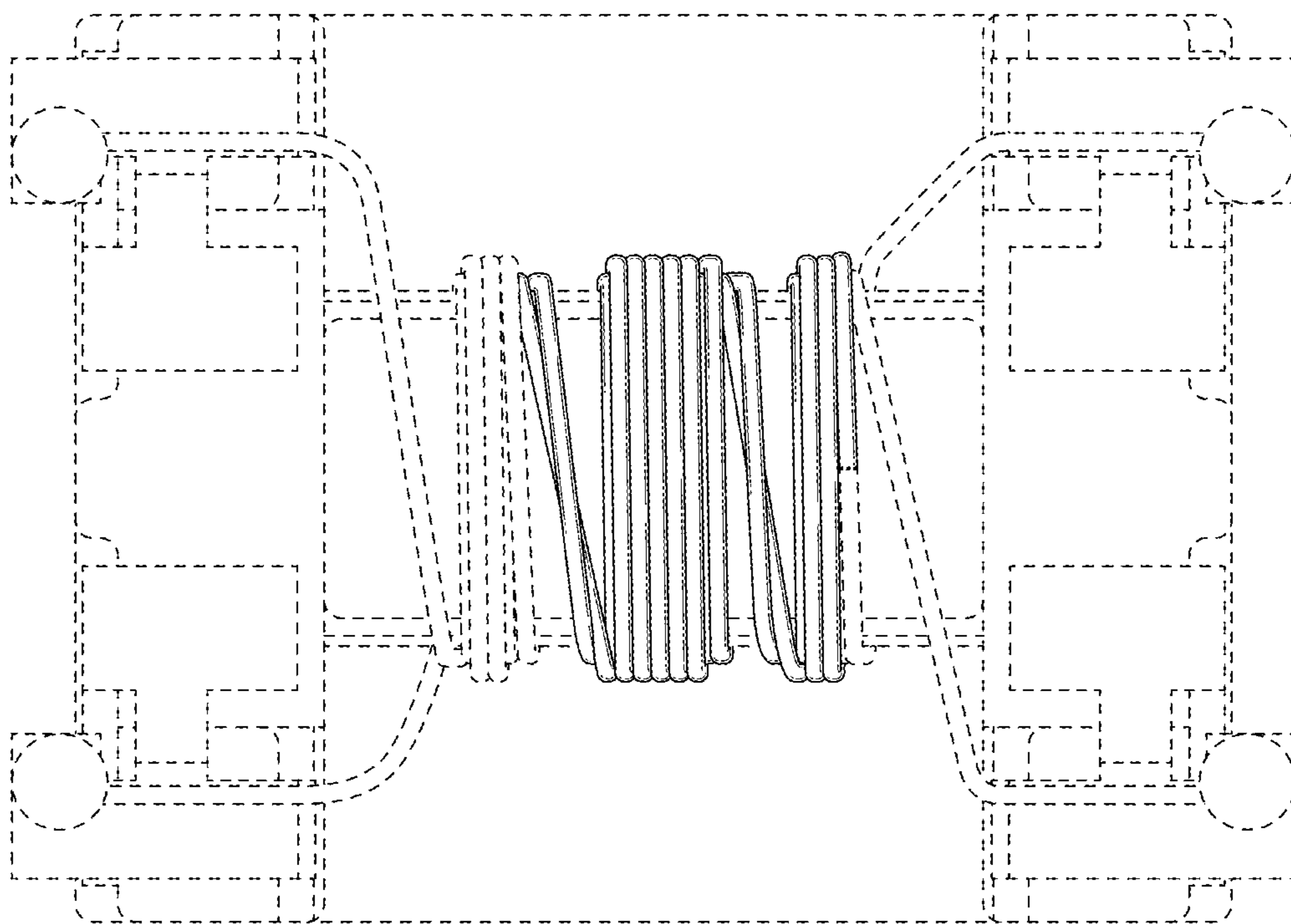


FIG. 49



FIG. 50

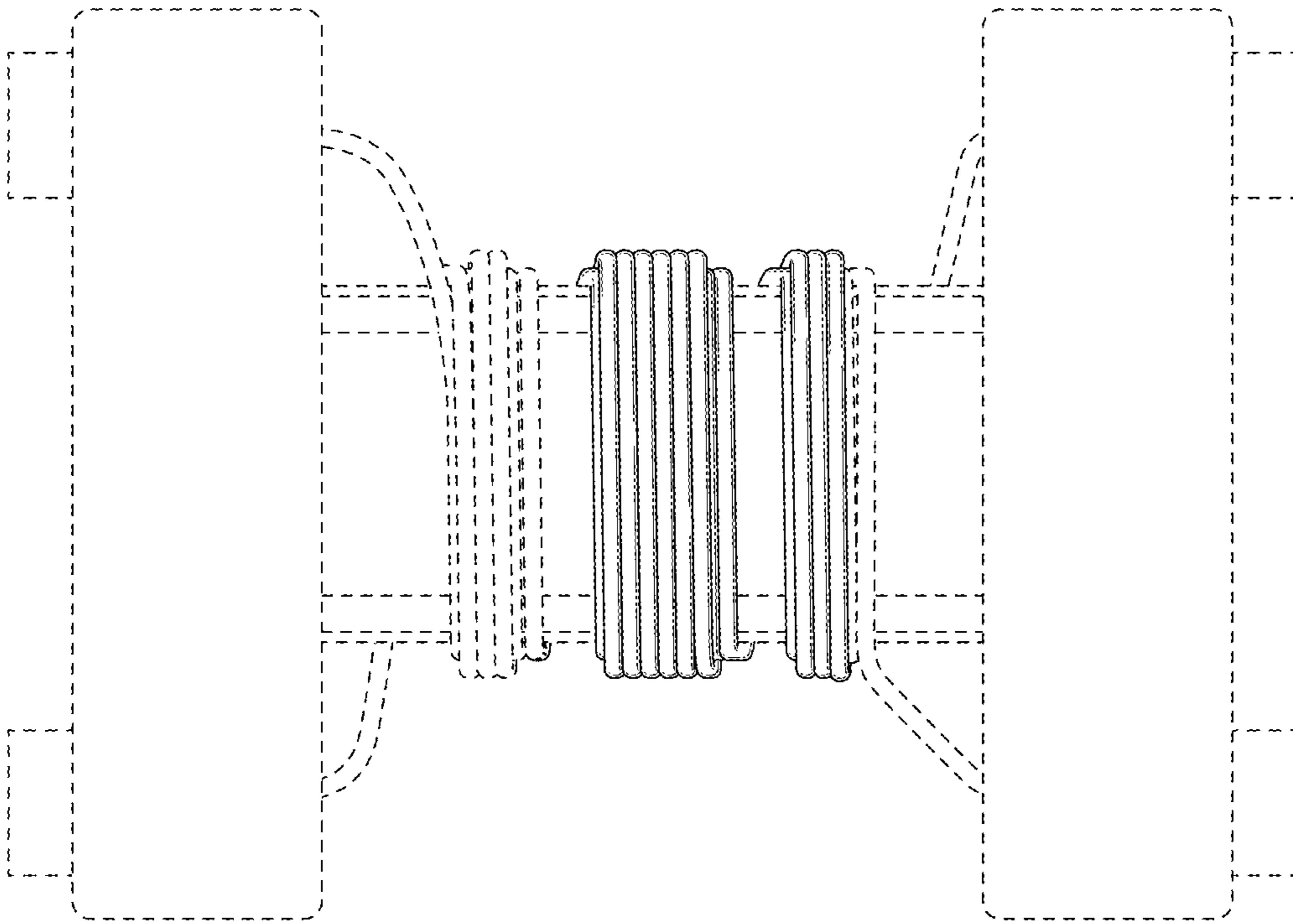


FIG. 51

