

EUROPEAN PATENT OFFICE
U.S. PATENT AND TRADEMARK OFFICE

CPC NOTICE OF CHANGES 1500

DATE: AUGUST 1, 2023

PROJECT RP10474

The following classification changes will be effected by this Notice of Changes :

<u>Action</u>	<u>Subclass</u>	<u>Group(s)</u>
SCHEME:		
Symbols Deleted:	H01R	4/4818, 4/4827, 4/4836, 4/4845
Symbols New:	H01R	4/4811, 4/4814, 4/4816, 4/48185, 4/4819, 4/4821, 4/4823, 4/4826, 4/48275, 4/4828, 4/483, 4/4833, 4/4835, 4/48365, 4/4837, 4/484, 4/4842, 4/4844, 4/48455, 4/4846, 4/4848, 4/485, 4/4852
Titles Changed:	H01R	4/4809
Warnings New:	H01R	4/4809, 4/4811, 4/4816, 4/48185, 4/4819, 4/4821, 4/4823, 4/4826, 4/48275, 4/4828, 4/48365, 4/484, 4/48455, 4/4846
DEFINITIONS:		
Definitions Deleted: (no frozen (F) symbol definitions should be deleted)	H01R	4/4827
Definitions New:	H01R	4/4814, 4/4816, 4/4819, 4/4821, 4/4823, 4/4826, 4/4828, 4/483, 4/4833, 4/4835, 4/4837, 4/484, 4/4842, 4/4844, 4/4848, 4/485, 4/4852

No other subclasses/groups are impacted by this Notice of Changes.

This Notice of Changes includes the following [Check the ones included]:

1. CLASSIFICATION SCHEME CHANGES

- A. New, Modified or Deleted Group(s)
- B. New, Modified or Deleted Warning(s)
- C. New, Modified or Deleted Note(s)
- D. New, Modified or Deleted Guidance Heading(s)

2. DEFINITIONS

- A. New or Modified Definitions (Full definition template)
- B. Modified or Deleted Definitions (Definitions Quick Fix)

3. REVISION CONCORDANCE LIST (RCL)

4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

5. CHANGES TO THE CROSS-REFERENCE LIST (CRL)

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1. CLASSIFICATION SCHEME CHANGES

A. New, Modified or Deleted Group(s)

SUBCLASS H01R - ELECTRICALLY-CONDUCTIVE CONNECTIONS;STRUCTURAL ASSOCIATIONS OF A PLURALITY OF MUTUALLY-INSULATED ELECTRICAL CONNECTING ELEMENTS;COUPLING DEVICES;CURRENT COLLECTORS

<u>Type*</u>	<u>Symbol</u>	<u>Indent Level Number of dots (e.g. 0, 1, 2)</u>	<u>Title “CPC only” text should normally be enclosed in { curly brackets }**</u>	<u>Transferred to#</u>
C	H01R4/4809	3	{ using a leaf spring to bias the conductor toward the busbar }	H01R4/4809, H01R4/4811, H01R4/4814, H01R4/4816, H01R 4/4819, H01R4/4821, H01R4/4823, H01R4/4826, H01R4/4828, H01R4/483, H01R4/4833, H01R4/4835, H01R4/4837, H01R4/484, H01R4/4842, H01R4/4844, H01R4/4846, H01R4/4848, H01R4/485, H01R4/4852
N	H01R4/4811	4	{ Spring details }	
N	H01R4/4814	5	{ Self-latching arrangements }	
N	H01R4/4816	5	{ the spring shape preventing insertion of the conductor end when the spring is unbiased }	
D	H01R4/4818	4	{ adapted for axial insertion of a wire end }	<administrative transfer to H01R 4/48185>
Q	H01R4/48185	4	{ adapted for axial insertion of a wire end }	H01R4/48185, H01R4/4811, H01R4/4814, H01R4/4819, H01R4/4821, H01R4/4823, H01R4/4826, H01R4/4828, H01R4/483, H01R4/4833, H01R4/4835, H01R4/4837, H01R4/484, H01R4/4842, H01R4/4844, H01R4/4846, H01R4/4848, H01R4/485, H01R4/4852

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N	H01R4/4819	5	{ the spring shape allowing insertion of the conductor end when the spring is unbiased }	
N	H01R4/4821	6	{ Single-blade spring }	
N	H01R4/4823	6	{ Multiblade spring }	
N	H01R4/4826	6	{ and having a hole for the conductor, e.g. a wire, passing through }	
D	H01R4/4827	5	{ with an opening in the housing for insertion of a release tool }	<administrative transfer to H01R 4/48275>
Q	H01R 4/48275	5	{ with an opening in the housing for insertion of a release tool }	H01R 4/48275, H01R4/4811, H01R4/4814, H01R4/4816, H01R4/4819, H01R4/4821, H01R4/4823, H01R4/4826, H01R4/4828, H01R4/483, H01R4/4833, H01R4/4835, H01R4/4837, H01R4/484, H01R4/4842, H01R4/4844, H01R4/4846, H01R4/4848, H01R4/485, H01R4/4852
N	H01R4/4828	4	{ Spring-activating arrangements mounted on or integrally formed with the spring housing }	
N	H01R4/483	5	{ Pivoting arrangements, e.g. lever pushing on the spring }	
N	H01R4/4833	5	{ Sliding arrangements, e.g. sliding button }	
N	H01R4/4835	5	{ Mechanically bistable arrangements, e.g. locked by the housing when the spring is biased }	
D	H01R4/4836	5	{ with integral release means }	<administrative transfer to H01R 4/48365>
Q	H01R4/48365	5	{ with integral release means }	H01R4/48365, H01R4/4811, H01R4/4814, H01R4/4816, H01R4/4819, H01R4/4821, H01R4/4823, H01R4/4826, H01R4/4828, H01R4/483, H01R4/4833, H01R4/4835, H01R4/4837, H01R4/484, H01R4/4842, H01R4/4844, H01R4/4846, H01R4/4848, H01R4/485, H01R4/4852
N	H01R4/4837	5	{ Single arrangement activating multiple springs }	
N	H01R4/484	4	{ Spring housing details }	

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N	H01R4/4842	5	{ the spring housing being provided with a single opening for insertion of a spring-activating tool }	
N	H01R4/4844	5	{ the spring housing being provided with multiple openings for insertion of a spring-activating tool }	
D	H01R4/4845	4	{ insertion of a wire only possible by pressing on the spring }	<administrative transfer to H01R 4/48455>
Q	H01R4/48455	4	{ insertion of a wire only possible by pressing on the spring }	H01R4/48455, H01R4/4811, H01R4/4814, H01R4/4816, H01R4/4821, H01R4/4823, H01R4/4826, H01R4/4828, H01R4/483, H01R4/4833, H01R4/4835, H01R4/4837, H01R4/484, H01R4/4842, H01R4/4844, H01R4/4846, H01R4/4848, H01R4/485, H01R4/4852
N	H01R4/4846	4	{ Busbar details }	
N	H01R4/4848	5	{ Busbar integrally formed with the spring }	
N	H01R4/485	5	{ Single busbar common to multiple springs }	
N	H01R4/4852	5	{ Means for improving the contact with the conductor, e.g. uneven wire-receiving surface }	

*N = new entries where reclassification into entries is involved; C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; T = existing entries with enlarged file scope, which receive documents from C or D entries, e.g. when a limiting reference is removed from the entry title; M = entries with no change to the file scope (no reclassification); D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed; U = entries that are unchanged.

NOTES:

- **No {curly brackets} are used for titles in CPC only subclasses, e.g. C12Y, A23Y; 2000 series symbol titles of groups found at the end of schemes (orthogonal codes); or the Y section titles. The {curly brackets} are used for 2000 series symbol titles found interspersed throughout the main trunk schemes (breakdown codes).
- U groups: it is obligatory to display the required “anchor” symbol (U group), i.e. the entry immediately preceding a new group or an array of new groups to be created (in case new groups are not clearly subgroups of C-type groups). Always include the symbol, indent level and title of the U group in the table above.
- All entry types should be included in the scheme changes table above for better understanding of the overall scheme change picture. Symbol, indent level, and title are required for all types.
- “Transferred to” column must be completed for all C, D, F, and Q type entries. F groups will be deleted once reclassification is completed.
- When multiple symbols are included in the “Transferred to” column, avoid using ranges of symbols in order to be as precise as possible.

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- For administrative transfer of documents, the following text should be used: “<administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD> , <administrative transfer to XX INV>, or <administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“Transferred to”) symbol, however it is required to specify “<no transfer>” in the “Transferred to” column for such cases.
- For finalization projects, the deleted “F” symbols should have <no transfer> in the “Transferred to” column.
- For more details about the types of scheme change, see CPC Guide.

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B. New, Modified or Deleted Warning notice(s)

SUBCLASS H01R - ELECTRICALLY-CONDUCTIVE CONNECTIONS;STRUCTURAL ASSOCIATIONS OF A PLURALITY OF MUTUALLY-INSULATED ELECTRICAL CONNECTING ELEMENTS;COUPLING DEVICES;CURRENT COLLECTORS

<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
N	H01R 4/4809		Group H01R 4/4809 is impacted by reclassification into groups H01R 4/4811, H01R 4/4814, H01R 4/4816, H01R 4/4819, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485 and H01R 4/4852. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/4811		Groups H01R 4/4811 and H01R 4/4814 are incomplete pending reclassification of documents from groups H01R 4/4809, H01R 4/48185, H01R 4/48275, H01R 4/48365 and H01R 4/48455. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/4816		Group H01R 4/4816 is incomplete pending reclassification of documents from groups H01R 4/4809, H01R 4/48275, H01R 4/48365 and H01R 4/48455. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/48185		Group H01R 4/48185 is impacted by reclassification into groups H01R 4/4811, H01R 4/4814, H01R 4/4819, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485 and H01R 4/4852. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/4819		Group H01R 4/4819 is incomplete pending reclassification of documents from groups H01R 4/4809, H01R 4/48185, H01R 4/48275 and H01R 4/48365. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/4821		Group H01R 4/4821 is incomplete pending reclassification of documents from groups H01R 4/4809, H01R 4/48185, H01R 4/48275, H01R 4/48365 and H01R 4/48455. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/4823		Group H01R 4/4823 is incomplete pending reclassification of documents from groups

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			H01R 4/4809, H01R 4/48185, H01R 4/48275, H01R 4/48365 and H01R 4/48455. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/4826		Group H01R 4/4826 is incomplete pending reclassification of documents from groups H01R 4/4809, H01R 4/48185, H01R 4/48275, H01R 4/48365 and H01R 4/48455. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/48275		Group H01R 4/48275 is impacted by reclassification into groups H01R 4/4811, H01R 4/4814, H01R 4/4816, H01R 4/4819, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485 and H01R 4/4852. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/4828		Groups H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835 and H01R 4/4837 are incomplete pending reclassification of documents from groups H01R 4/4809, H01R 4/48185, H01R 4/48275, H01R 4/48365 and H01R 4/48455. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/48365		Group H01R 4/48365 is impacted by reclassification into groups H01R 4/4811, H01R 4/4814, H01R 4/4816, H01R 4/4819, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485 and H01R 4/4852. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/484		Groups H01R 4/484, H01R 4/4842 and H01R 4/4844 are incomplete pending reclassification of documents from groups H01R 4/4809, H01R 4/48185, H01R 4/48275, H01R 4/48365 and H01R 4/48455. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/48455		Group H01R 4/48455 is impacted by reclassification into groups H01R 4/4811, H01R 4/4814, H01R 4/4816, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485 and

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<u>Type*</u>	<u>Location</u>	<u>Old Warning notice</u>	<u>New/Modified Warning notice</u>
			H01R 4/4852. All groups listed in this Warning should be considered in order to perform a complete search.
N	H01R 4/4846		Groups H01R 4/4846, H01R 4/4848, H01R 4/485 and H01R 4/4852 are incomplete pending reclassification of documents from groups H01R 4/4809, H01R 4/48185, H01R 4/48275, H01R 4/48365 and H01R 4/48455. All groups listed in this Warning should be considered in order to perform a complete search.

*N = new warning, M = modified warning, D = deleted warning

NOTE: The "Location" column only requires the symbol PRIOR to the location of the warning. No further directions such as "before" or "after" are required.

2. A. DEFINITIONS (new)

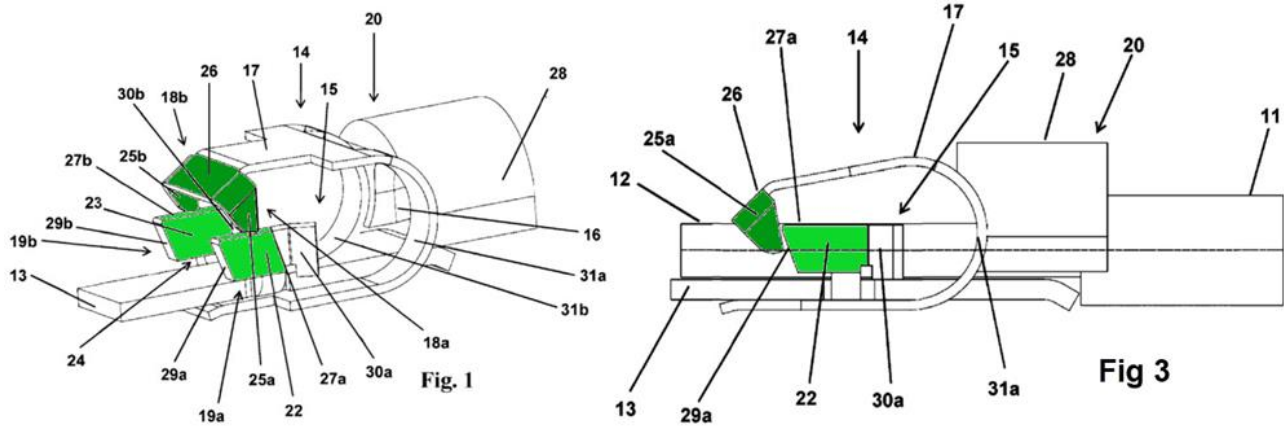
H01R4/4814

Definition statement

This place covers:

Leaf springs that can be latched in a position (usually open or biased position). This latching should not be due to the spring activating arrangement but to the spring itself.

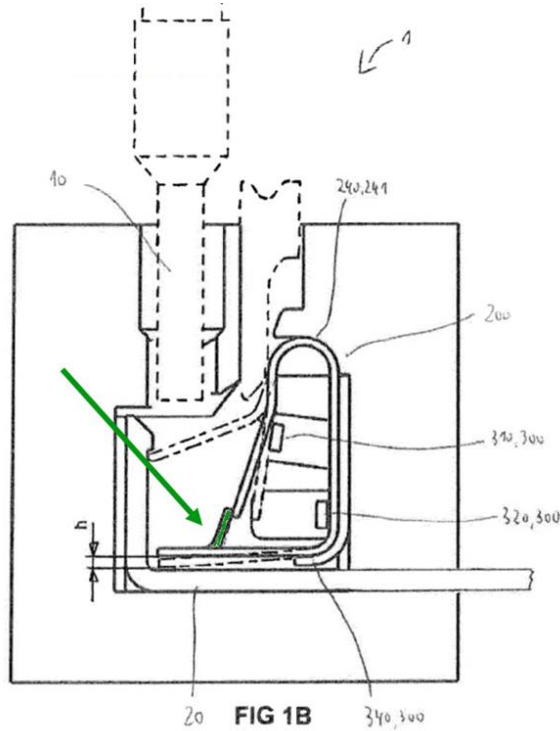
The following figures show a leaf spring (14). On figure 1, the leaf spring is latched in the biased open position. The greyed-out portions (25a) and (25b) of the spring are resting on the greyed-out surface (27a) and (27b) of the spring itself. On figure 3 the latching configuration is removed and the spring is biasing the core (12) of the wire (11).



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The following figure shows a leaf spring (200) which is coiled on itself and latched in a biased position by the part of the spring itself highlighted in grey and pointed out by the arrow. Insertion of a wire (1a) will push down the bottom left end of the spring thereby releasing the cantilevered lance.



Relationships with other classification places

Leaf springs latched by the spring activating arrangement are covered by group H01R 4/4835.

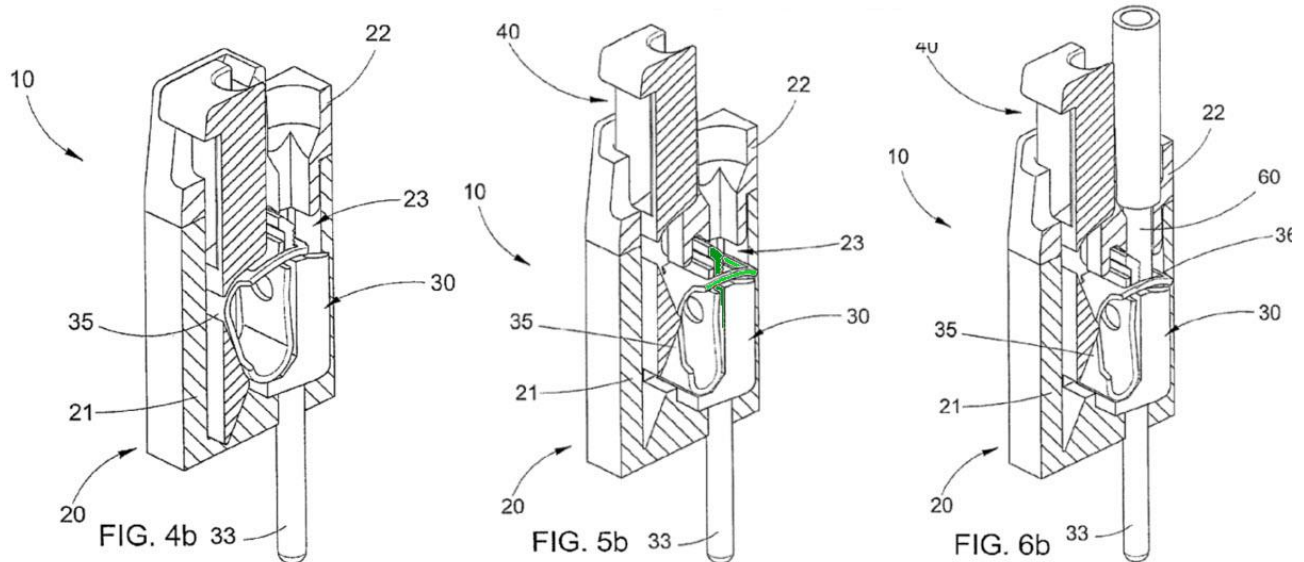
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H01R4/4816**Definition statement***This place covers:*

Spring clamped connections requesting an opening of the spring before being able to insert the wire. In its un-biased position, the spring prevents the conductor to be inserted in the connection area of the spring e.g. by presenting a flat portion blocking the insertion channel of the conductor or by guiding the wire away from the spring.

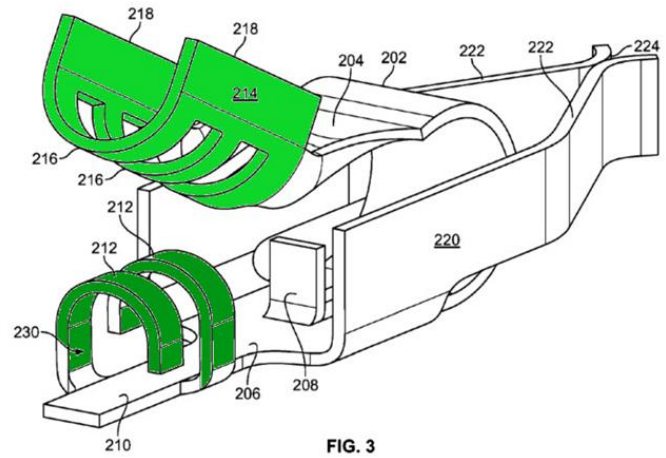
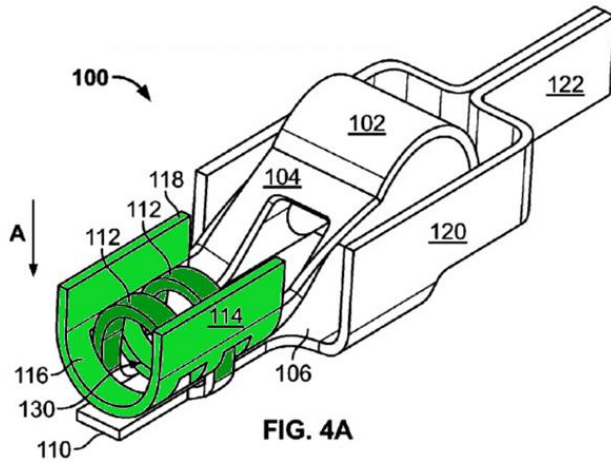
The following figures show a busbar (31), a leaf spring (32) and a wire (60) that cannot be connected to the spring without previously opening it. The wire connecting site is greyed-out on figure 5b below between the vertical part of the busbar and the moving horizontal edge of the spring. On figure 4b the leaf spring is abutting on the busbar and the end of the leaf spring obstructs the connecting site suitable for receiving the wire. On figure 5b, as the spring is biased by the element (40), then the connection site for the wire (60) is opened between the busbar and the spring.



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The following figures show a leaf spring (102). On figure 3, the leaf spring is in the unbiased position and the connection site between (214) and (230) is not available because the two ends of the spring are not aligned and are not forming the insertion site for the wire. On the contrary, after biasing the spring (pushing the movable greyed-out part down) as visible on figure 4a, the connection site for the wire is available.



H01R4/4819

Definition statement

This place covers:

Electrical connections established by a leaf spring. The insertion of the wire will push the spring away from the busbar. Said otherwise, the spring is shaped to allow the insertion of the wire even if it is not pre-biased.

The following figure shows a busbar (3), a leaf spring (2) and the wire (4) that can be inserted without previously opening the spring because the spring presents an orientation allowing it.

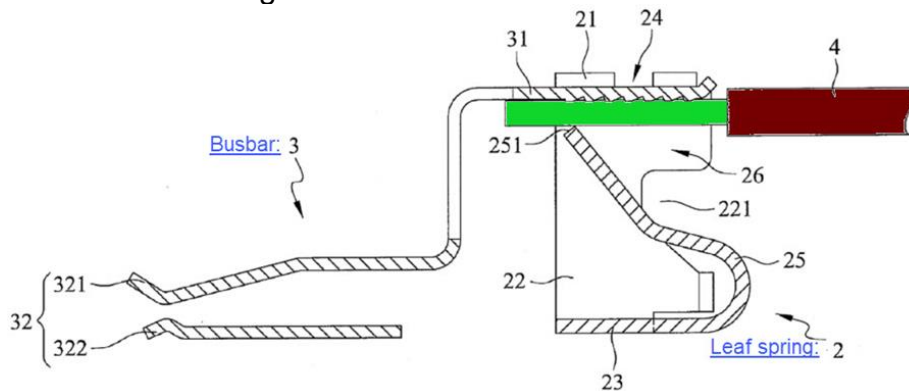
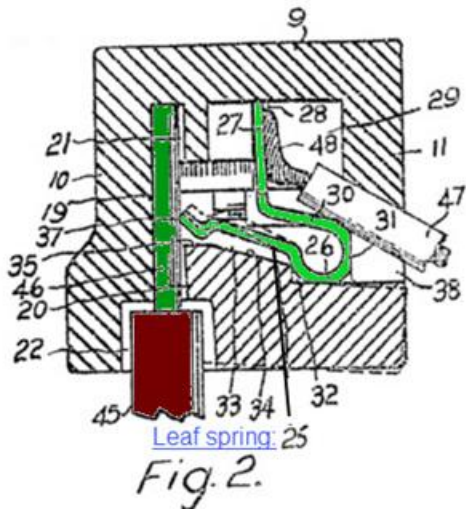


FIG. 6

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The following figure shows a leaf spring (25) shaped to allow the insertion of the wire (45) without pre-opening of the spring. It is mentioned that in the present case, no busbar is provided in the housing. The leaf spring is the only electrical element electrically connecting the wire (45) to the other wire (47).



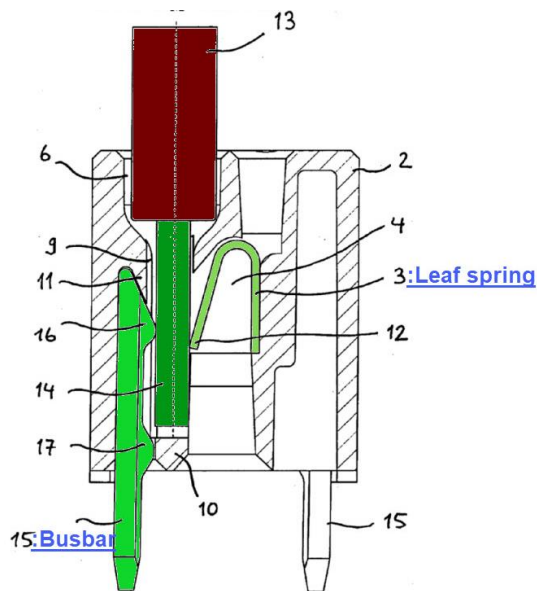
H01R4/4821

Definition statement

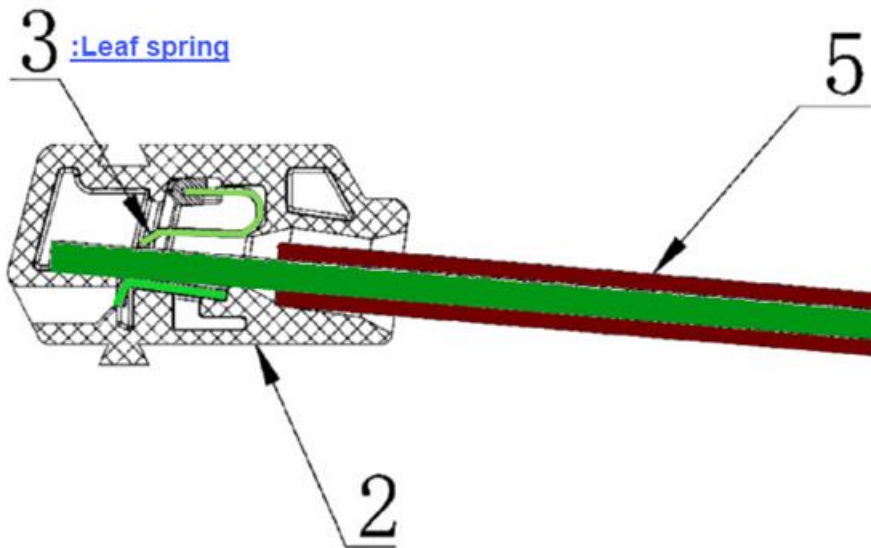
This place covers:

Leaf springs with the resilient part biasing the core of the wire, where the resilient part is made of a single resilient arm.

The following figure shows a leaf spring (3) biasing the core (14) of the wire (13) towards the busbar (15). The leaf spring has a single resilient arm biasing the wire.



The following figure shows a leaf spring (3) biasing the wire (5) towards the busbar. The leaf spring is made of a single resilient arm.



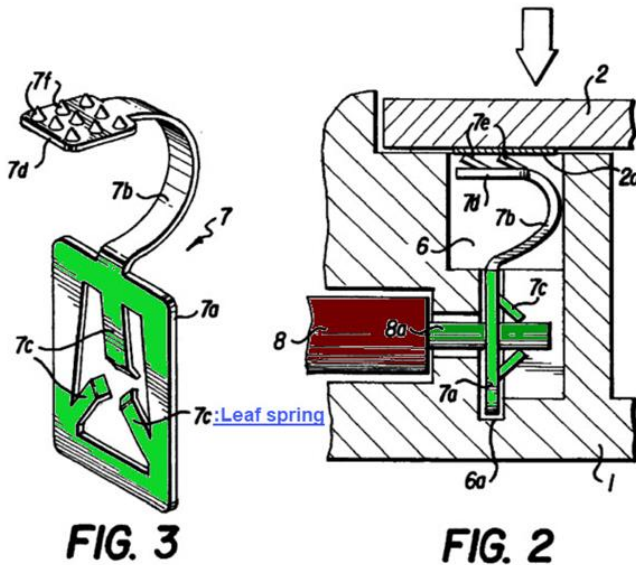
H01R4/4823

Definition statement

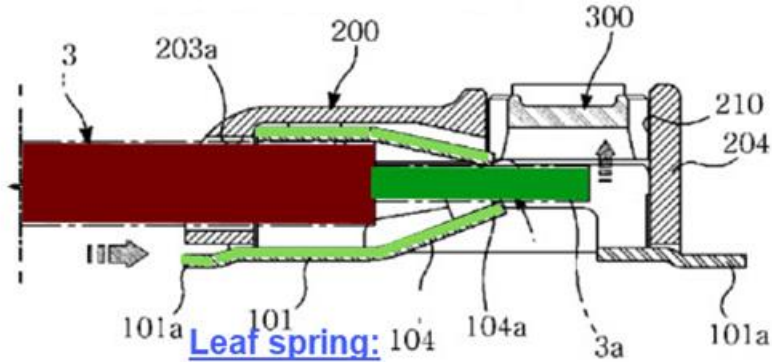
This place covers:

Leaf springs with the resilient part biasing the core of the wire, where the resilient part is made of at least two resilient arms.

The following figures show a leaf spring (7) comprising three resilient arms (7c) clamping the wire between them.



The following figure shows a leaf spring (101) comprising two different elastic members (104 and 105) both biasing the core of the wire.



Relationships with other classification places

Leaf springs with the same blade having two opposite ends acting on two different wires are classified in groups H01R 4/4821 and H01R 11/09 (if different connecting locations are present).

In the following example, E3 and E4 are made for insertion of two different wires. Even if 3 and 4 are part of the same blade, each connection is using a single resilient blade 3 or 4. Each blade establishes a galvanic connection in the sense of H01R. Therefore the device establishes two different galvanic connections with two different wires.

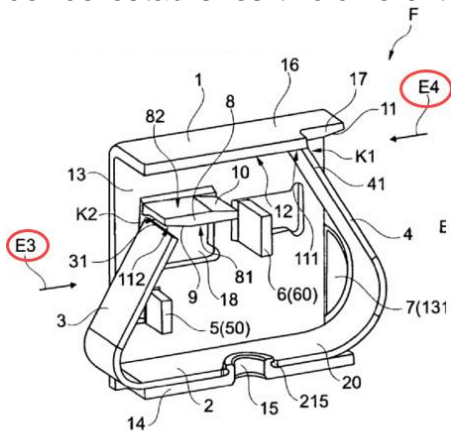


Fig. 2

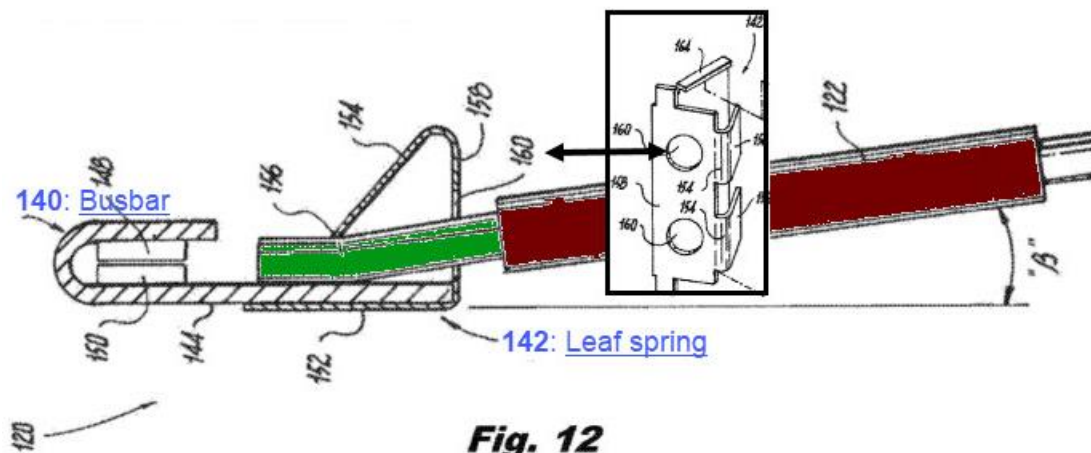
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H01R4/4826**Definition statement***This place covers:*

Configurations where the wire is inserted into the electrical connection by a hole in the spring. For example, the spring usually starts parallel to the wire in a direction opposite to the insertion direction of the wire and then loops back to create a free end used for biasing the wire. In this case the hole is usually located in the part of the spring looping back.

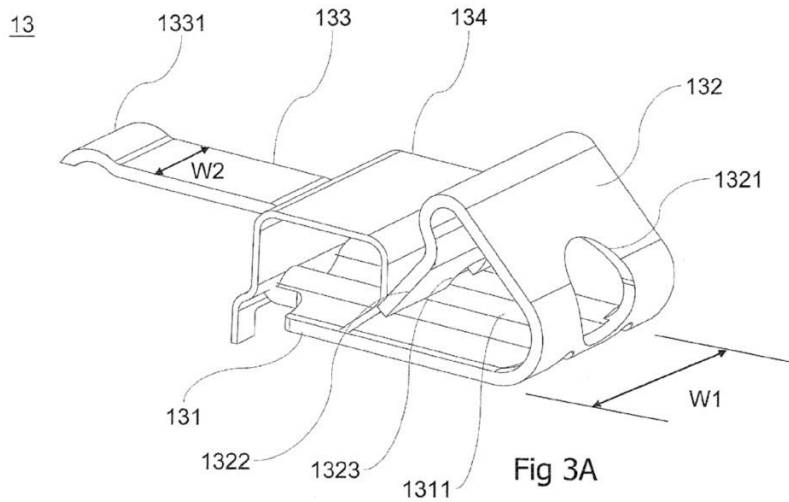
The following figure shows a busbar (140), a leaf spring (142) and the wire (122) is inserted from the back of the leaf spring (142) at the position is loops back toward the left of the figure. The spring comprises a hole (160) receiving the wire (122).



The following figure shows a leaf spring (131) and the wire is inserted from the back of the leaf spring (131) inside the hole (1321).

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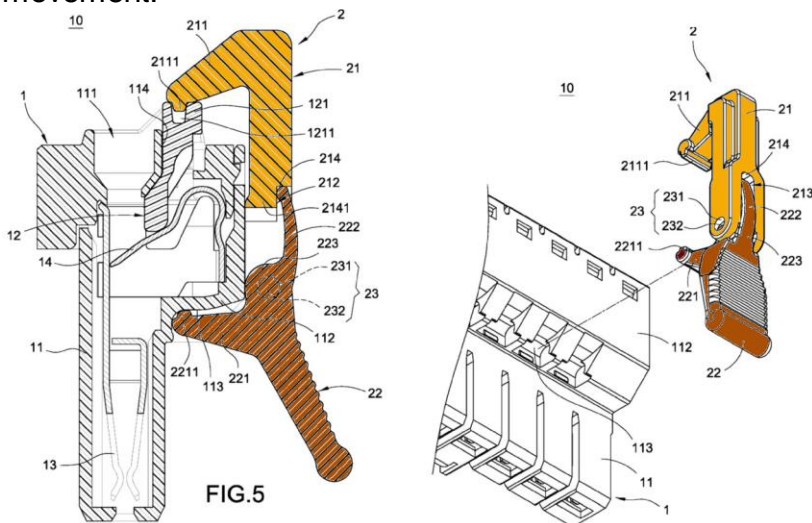
H01R4/4828

Definition statement

This place covers:

Details of the leaf spring activating arrangements that cannot be classified in the subgroups of the present group.

The following figures show a handle (2) mounted on the housing and used to indirectly actuate the leaf spring. This handle does not have a simple sliding or rotating movement.



H01R4/483

Definition statement

This place covers:

Leaf springs are activated by an arrangement pivoting with respect to the spring or the housing.

The following figures show a leaf spring (1) actuated by a lever (22). Further the lever biasing the leaf spring is rotating with respect to the housing (8) or the leaf spring (1).

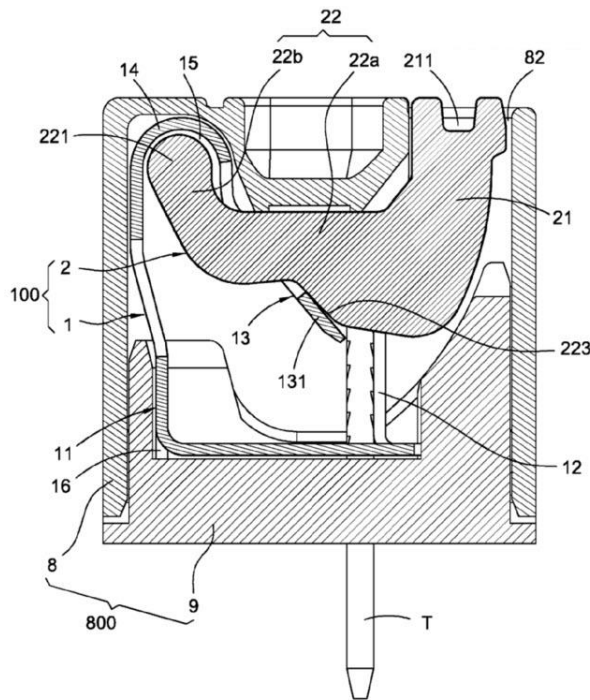


FIG. 6

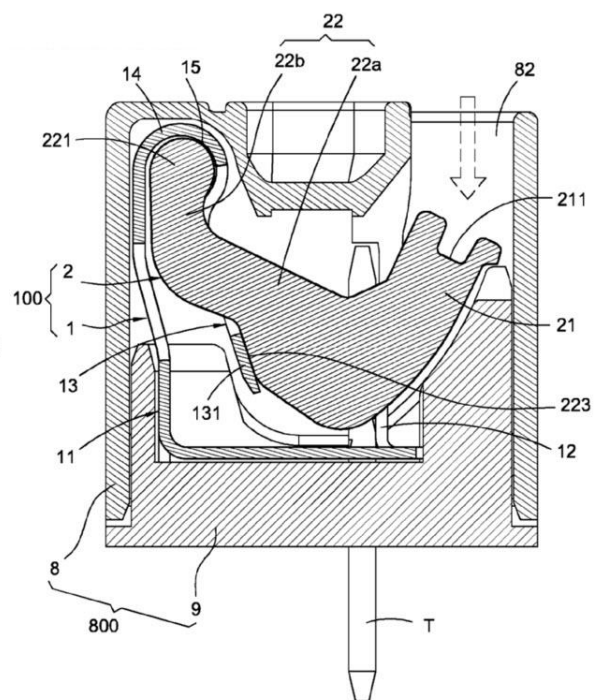
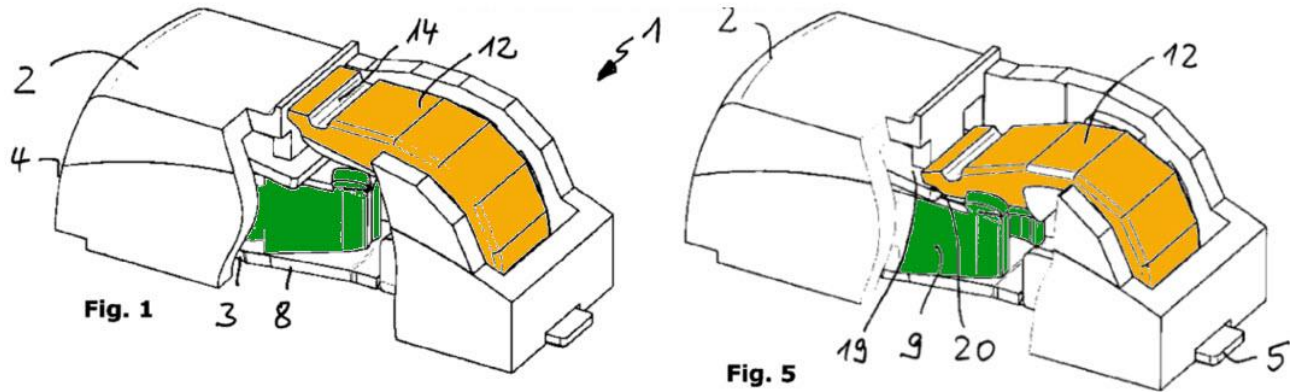


FIG. 8

The following figures show a housing (2) comprising an integral rotating lever (12). This lever 12 is used for biasing opened both arms (9) of the leaf spring (3). Closed position of the spring is visible on Fig.1 and opened or biased position is visible on Fig.5.



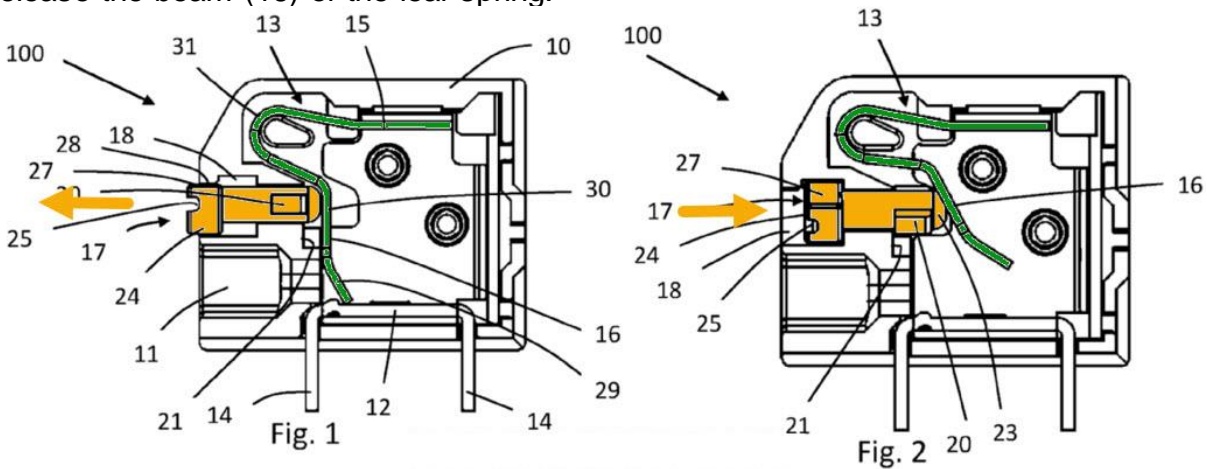
H01R4/4833

Definition statement

This place covers:

Leaf springs activated by an arrangement sliding with respect to the spring or the housing.

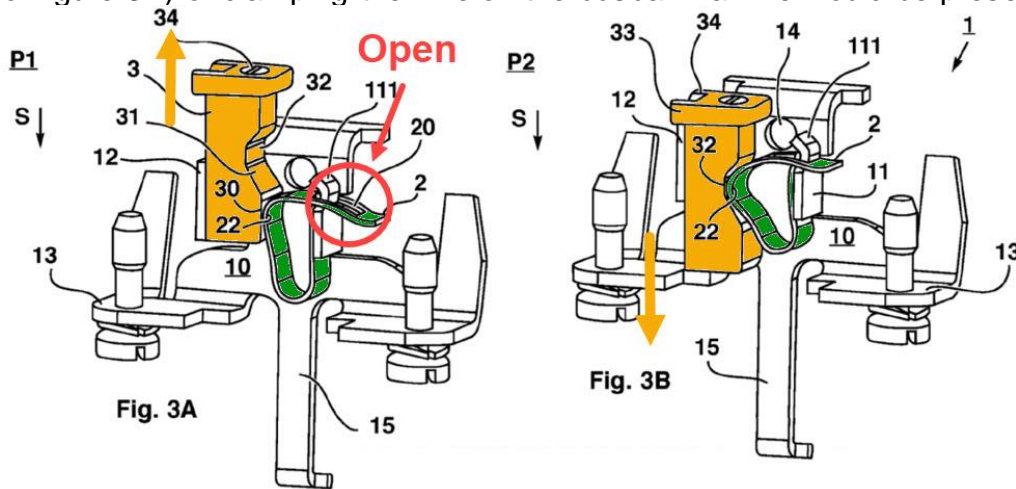
The following figures show an actuating mean 17 that is sliding left/right to bias or release the beam (16) of the leaf spring.



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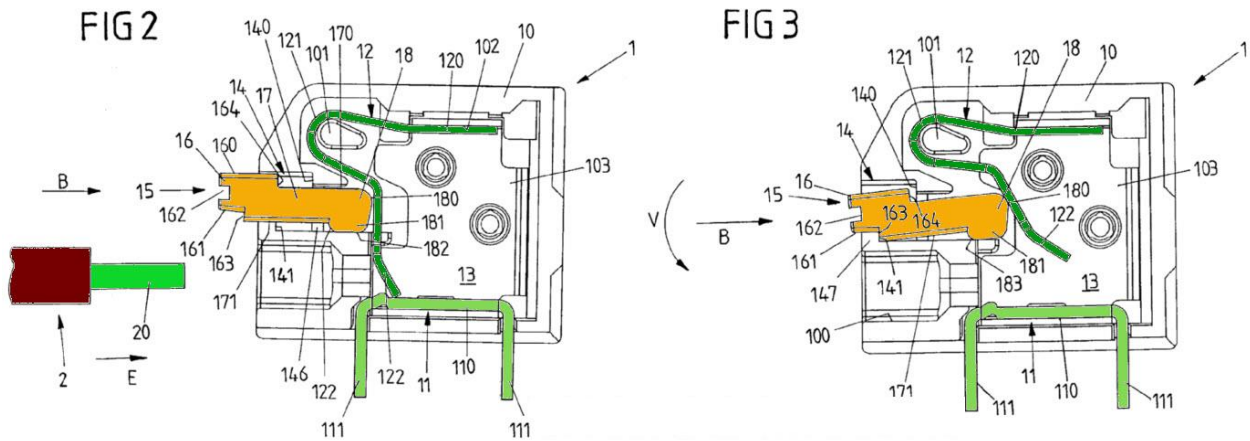
The following figures show on figure 3A the activating arrangement (3) is slid up to open or bias the leaf spring (2) and allows insertion of the wire between the busbar (111) and the leaf spring (2). On figure 3B the activating arrangement (3) is slid down to close or release the leaf spring (2) thereby closing the connection site if no wire is present (case of figure 3B) or clamping the wire on the busbar if a wire would be present.

**H01R4/4835****Definition statement**

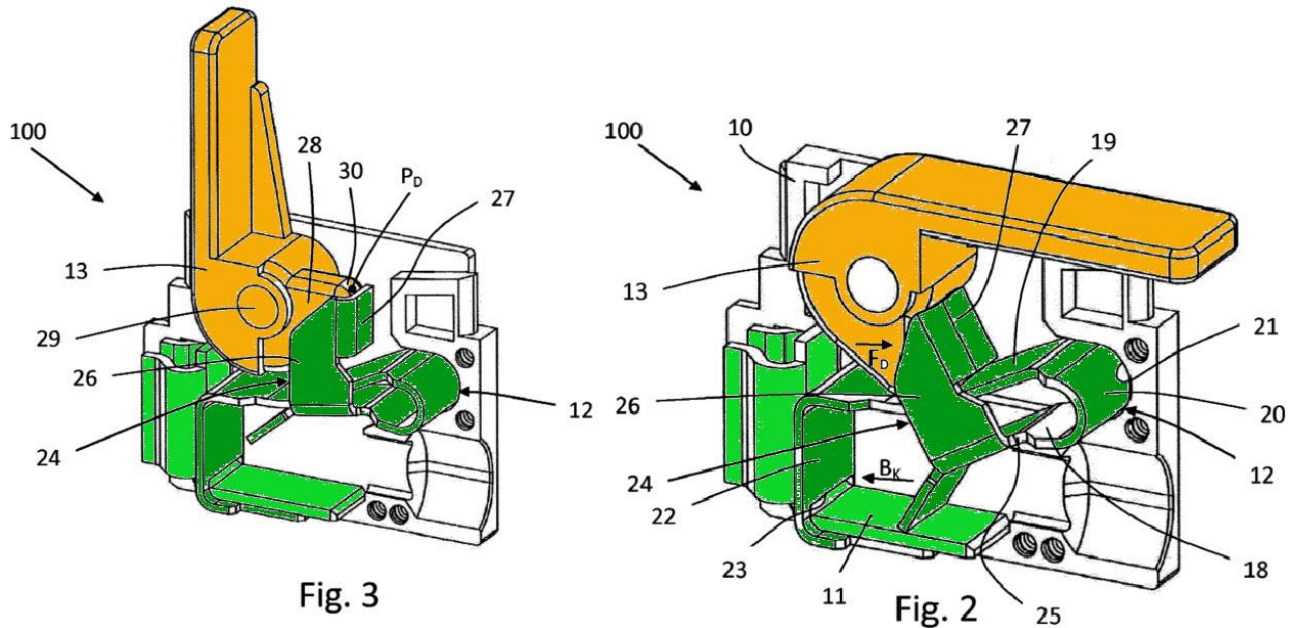
This place covers:

Activating arrangements which are mechanically stable in biased and un-biased position of the spring. Usually in the position where the activating arrangement is biasing the spring, the force of the spring tend to push the activating arrangement back, except in the case, for example, where the arrangement will be latched or locked somehow by the housing.

The following figures show an activating arrangement (15) which on figure 3 is mechanically locked behind a shoulder (141) of the housing. Because of this locking, the counter force created by the biasing of the leaf spring (12) does not slide the activating arrangement (15) back and the spring is blocked in the open position.



The following figures show an activating arrangement (13) suitable for activating the leaf spring (12). As it is visible on figure 3, because of the flat shape (27) and the shape of (30) and the position of the hinge (29), the biased position is also a mechanically stable position for the lever (13). The user does not need to hold the lever in the open position while inserting the wire.



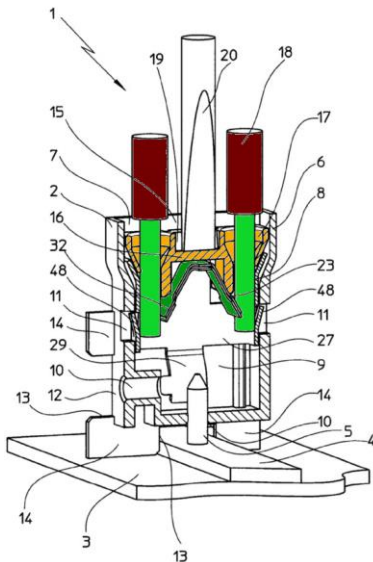
H01R4/4837

Definition statement

This place covers:

Clamping devices comprising several leaf springs which are actuated by a common device.

The following figure shows a clamping device with two connection sites for two different wires (18). It further comprises a single actuating arrangement (16, greyed-out below) actuating both connection sites at the same time. Therefore, even if the spring (23) is common to both connection sites, this is not considered for the classification and only the fact that the arrangement actuates springs in at least two sites is considered.



The following figure shows a clamping device with a single actuating arrangement (32) suitable for biasing both leaf springs (42) and (44) at the same time.

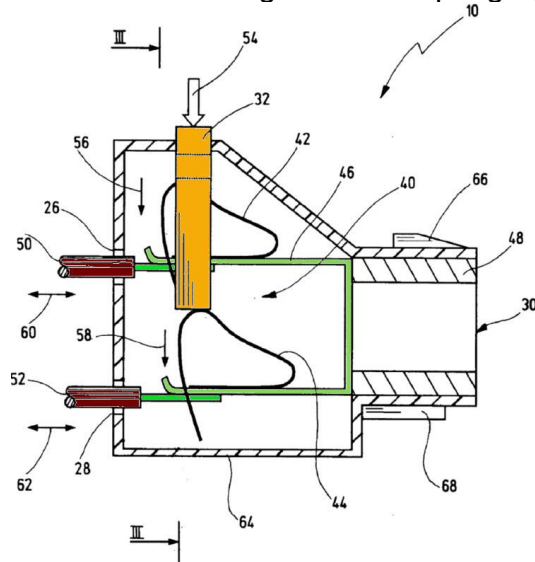


Fig.2

H01R4/484

Definition statement

This place covers:

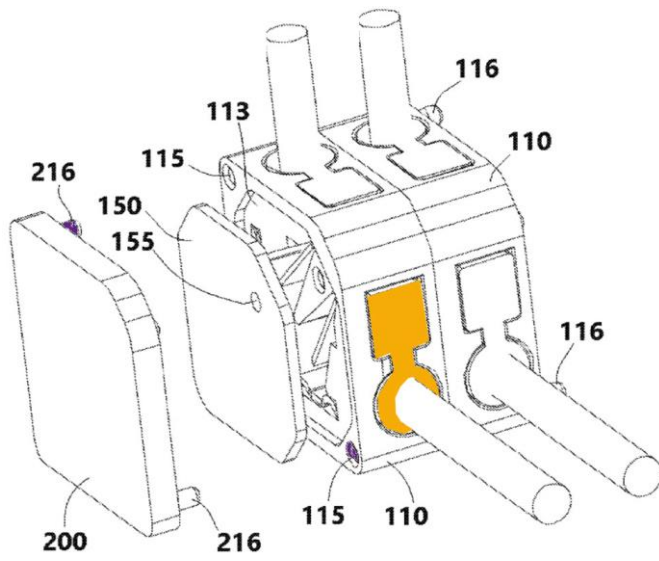
Details about the housing covering the leaf spring (e.g. waterproofing features, assembling elements being part of the invention).

The following figure shows a housing of the leaf spring comprising sealing members (120, greyed-out in the figure below) and special assembling elements (216) to mount several slices next to each other. Those details are both to be classified in class H01R4/484.

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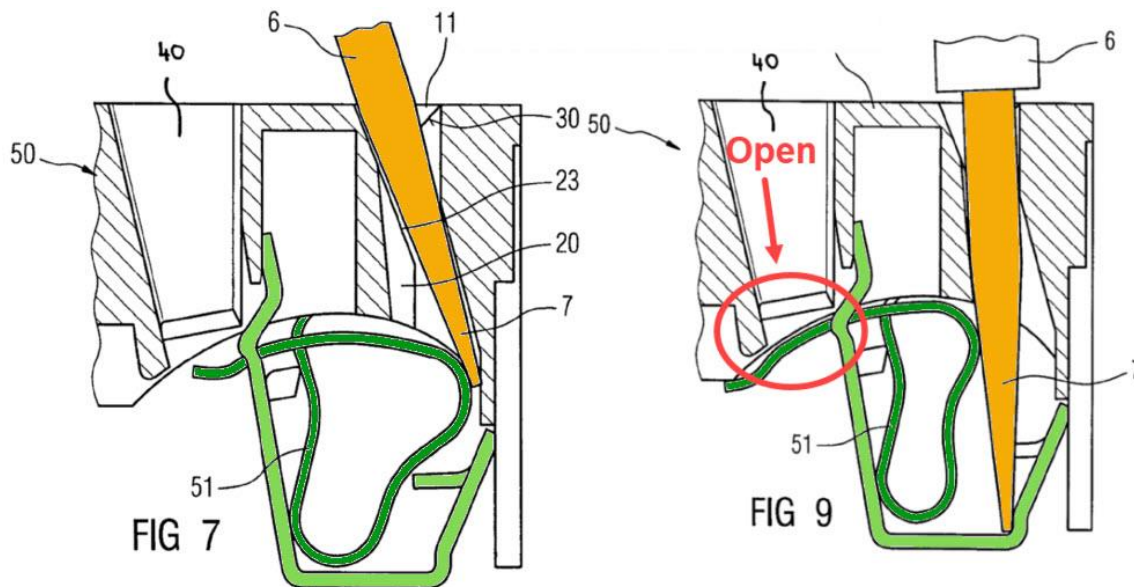
H01R4/4842

Definition statement

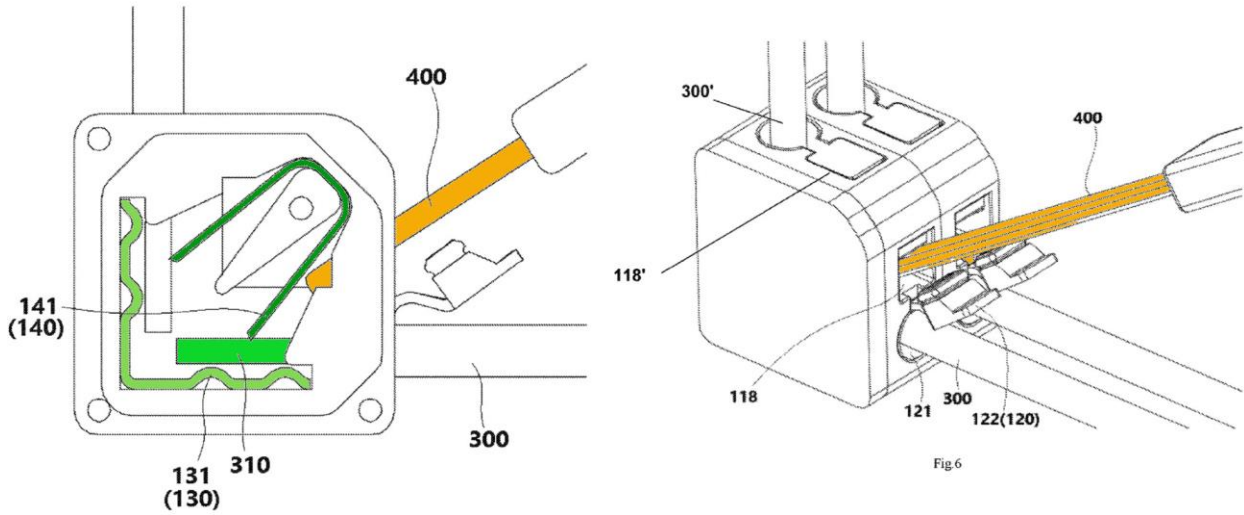
This place covers:

Leaf springs with an opening in the housing to allow the insertion of a tool for biasing the leaf spring.

The following figures show a housing (50) comprising a hole (11) suitable for insertion of a tool (6) e.g. screwdriver or jig, suitable for biasing the leaf spring (51) as visible on figure 9. The activating arrangement is not part of the device, it is an additional part.



The following figures show a tool (400) that is inserted inside the hole (118) of the housing to bias the spring (140) in the open position thereby allowing the removal of wire (310) from the busbar (130).



Relationships with other classification places

Activating arrangements located between the tool and the leaf spring are covered by H01R 4/4828.

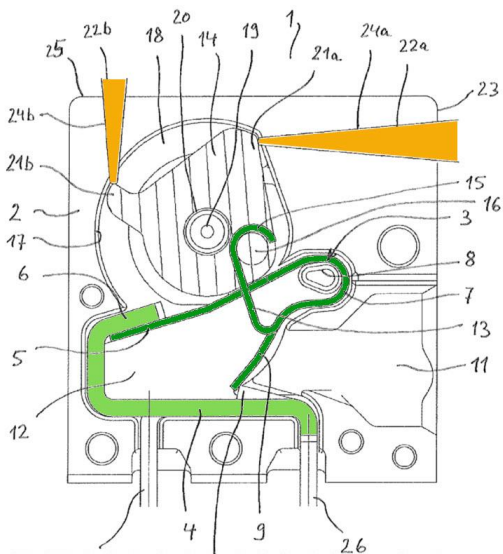
H01R4/4844

Definition statement

This place covers:

Leaf springs comprising a housing having at least two holes to allow the insertion of a tool for biasing the leaf spring from different angles.

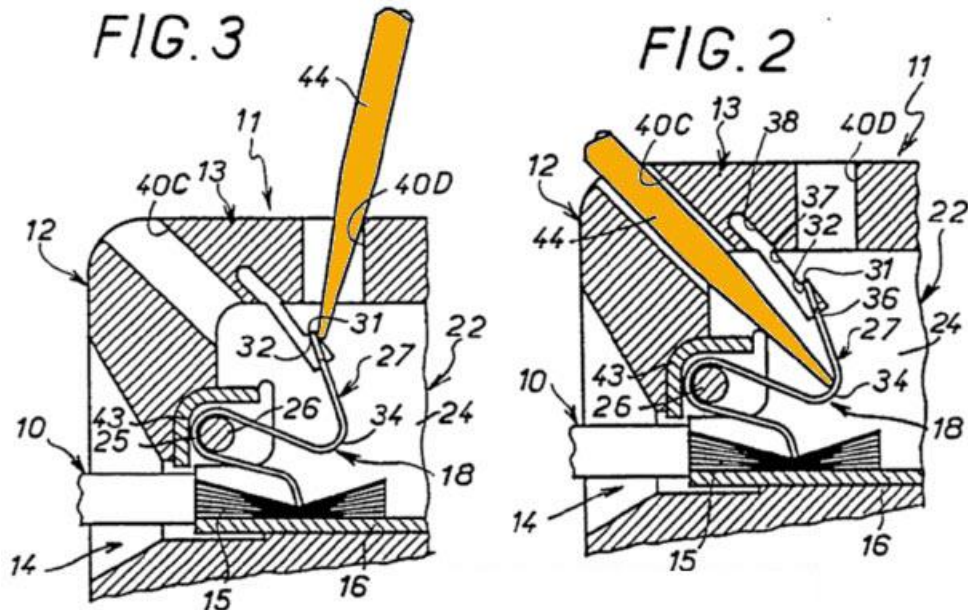
The following figure shows two holes for inserting two different tools (22a) or (22b) in the housing from different angles.



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The following figures show a housing (12) comprising two holes (40C) and (40D) both suitable for receiving an activating arrangement (tool 44) used to act on the leaf spring (27).



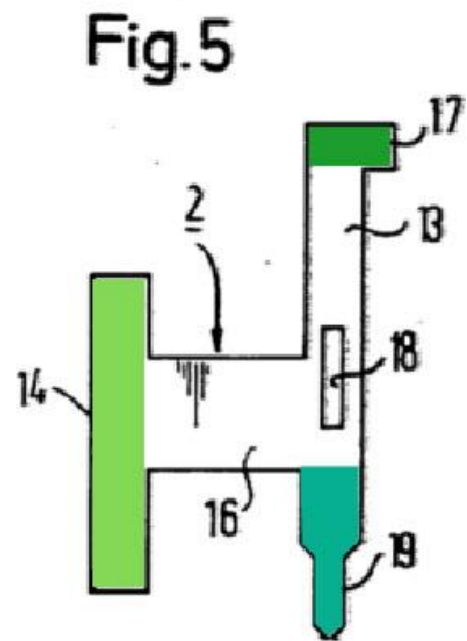
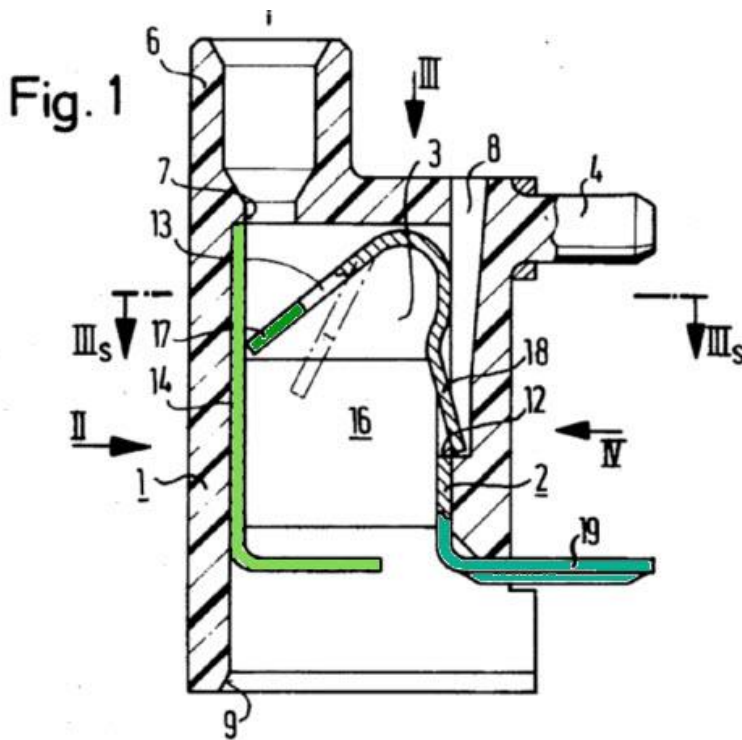
H01R4/4848

Definition statement

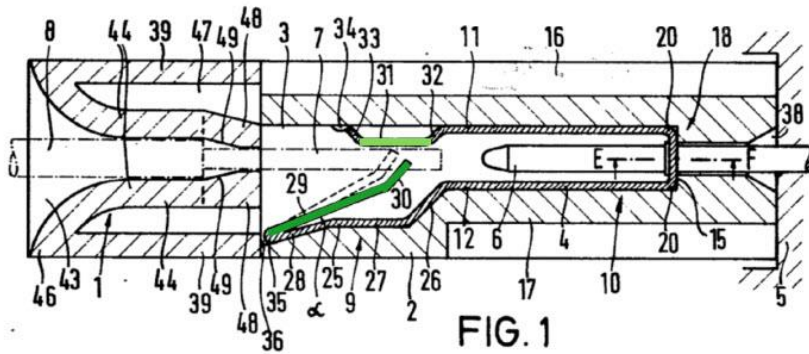
This place covers:

Clamping devices in which the leaf spring and the busbar are two parts of the same element. The leaf spring and busbar are both unitary.

The following figures show a leaf spring (17) and a busbar (14) made of the same metal piece. The metal piece is visible on the right before folding.



The following figure shows a leaf spring (29 greyed-out below) and a busbar (part 31 contacting the wire, horizontal greyed-out part below) being made of the same element.



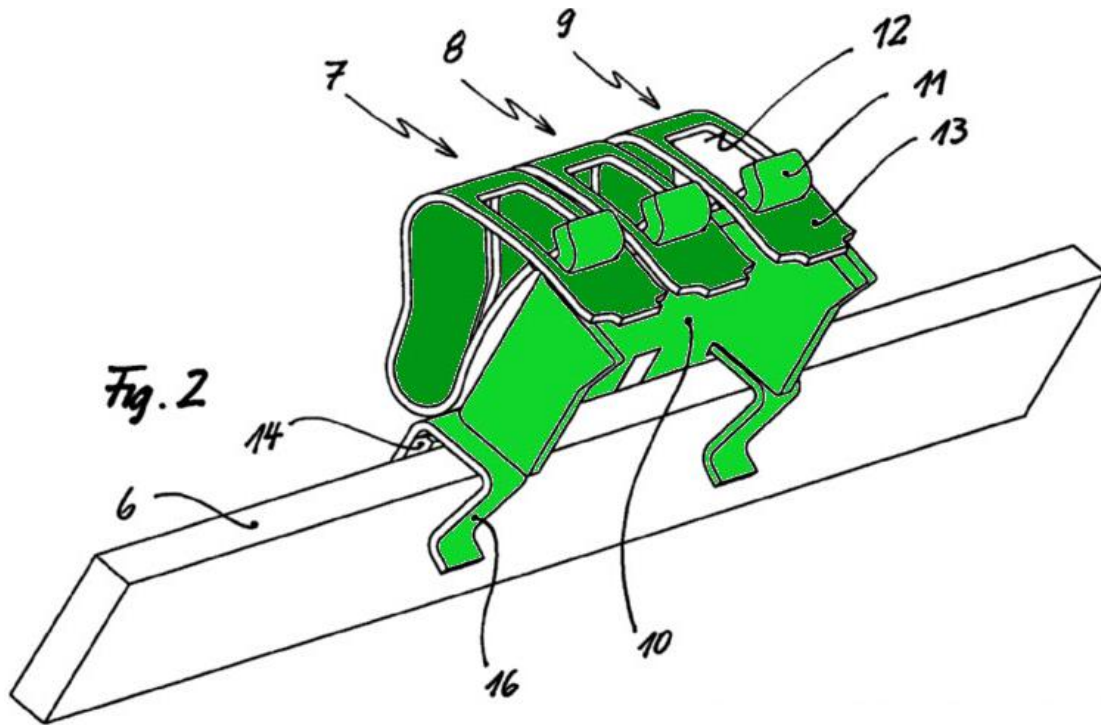
H01R4/485

Definition statement

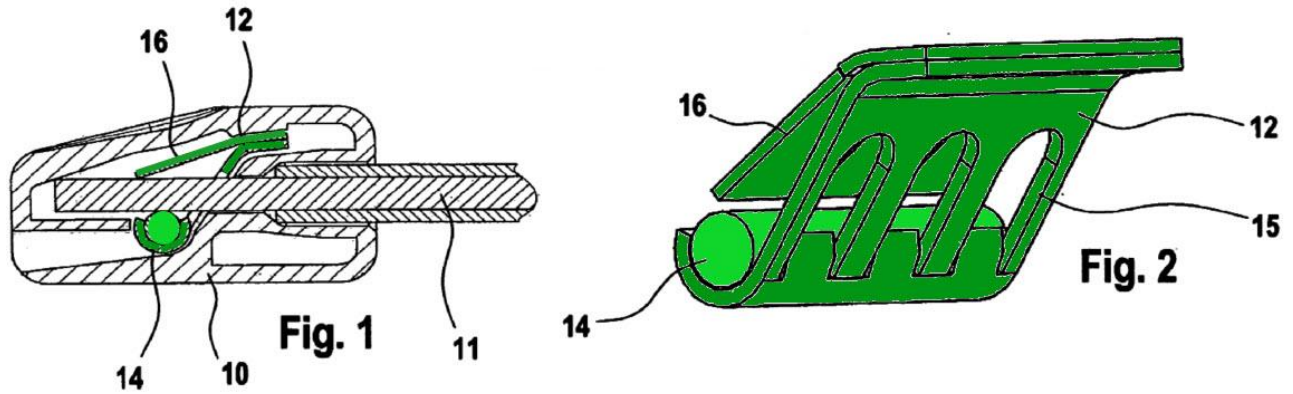
This place covers:

Leaf spring clamping devices comprising a common busbar to several connection sites. E.g. a clamping device suitable for shunting different wires to the same potential.

The following figure shows a single busbar (10) common to three different springs (7, 8, 9 greyed-out).



The following figures show a single busbar (14) connecting three different connection sites for three different wires.



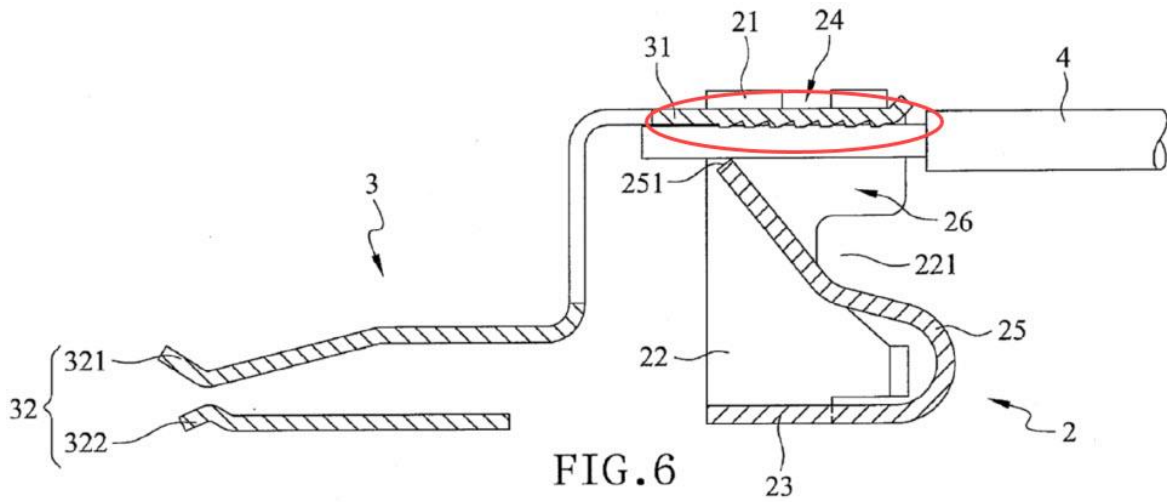
H01R4/4852

Definition statement

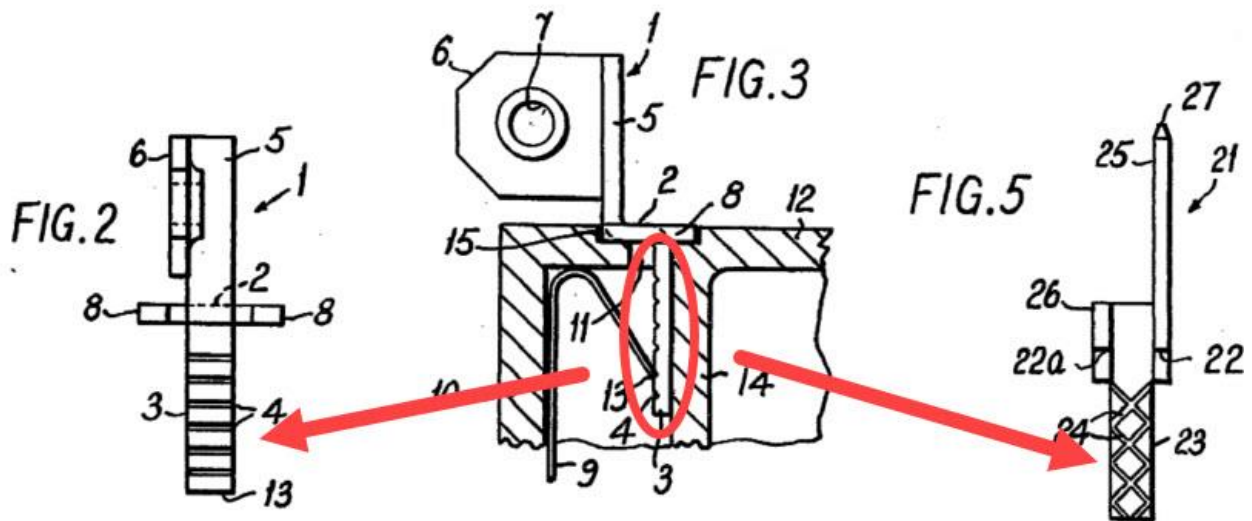
This place covers:

Leaf spring clamping devices with the busbar presenting an uneven surface at the position connecting with the wire, usually the exact position where the leaf spring biases the wire on the busbar.

The following figure shows an uneven surface on the busbar at the position (inside the circle below) connecting to the wire (4). Those dents have the function to decrease the contact resistance between the busbar and the wire.



The following figures show an uneven surface on the busbar at the position (inside the circle below) connecting to the wire. The dents (4,24) can have different patterns on the busbar (see left and right).



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2. B. DEFINITIONS QUICK FIX

Symbol	Location of change (e.g., section title)	Existing reference symbol or text	Action; New symbol; New text
H01R4/4827	Definition statement	H01R4/4827	Delete entire definition

Notes:

Use this Definitions Quick Fix (DQF) table to:

- Delete an entire definition
- Delete an entire section
- Change a reference symbol
- Delete a reference symbol
- Delete text in a References section
- Correct one error in spelling, article use, or verb tense

Otherwise, use the standard template.

Reminder: Never delete F symbol definitions.

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3. REVISION CONCORDANCE LIST (RCL)

<u>Type*</u>	<u>From CPC Symbol (existing)</u>	<u>To CPC Symbol(s)</u>
C	H01R 4/4809	H01R 4/4809, H01R 4/4811, H01R 4/4814, H01R 4/4816, H01R 4/4819, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485, H01R 4/4852
D	H01R 4/4818	<administrative transfer to H01R 4/48185>
Q	H01R 4/48185	H01R 4/48185, H01R 4/4811, H01R 4/4814, H01R 4/4819, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485, H01R 4/4852
D	H01R 4/4827	<administrative transfer to H01R 4/48275>
Q	H01R 4/48275	H01R 4/48275, H01R 4/4811, H01R 4/4814, H01R 4/4816, H01R 4/4819, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485, H01R 4/4852
D	H01R 4/4836	<administrative transfer to H01R 4/48365>
Q	H01R 4/48365	H01R 4/48365, H01R 4/4811, H01R 4/4814, H01R 4/4816, H01R 4/4819, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485, H01R 4/4852
D	H01R 4/4845	<administrative transfer to H01R 4/48455>
Q	H01R 4/48455	H01R 4/48455, H01R 4/4811, H01R 4/4814, H01R 4/4816, H01R 4/4821, H01R 4/4823, H01R 4/4826, H01R 4/4828, H01R 4/483, H01R 4/4833, H01R 4/4835, H01R 4/4837, H01R 4/484, H01R 4/4842, H01R 4/4844, H01R 4/4846, H01R 4/4848, H01R 4/485, H01R 4/4852

* C = entries with modified file scope where reclassification of documents from the entries is involved; Q = new entries which are firstly populated with documents via administrative transfers from deleted (D) entries. Afterwards, the transferred documents into the Q entry will either stay or be moved to more appropriate entries, as determined by intellectual reclassification; D = deleted entries; F = frozen entries will be deleted once reclassification of documents from the entries is completed.

NOTES:

- Only C, D, F, and Q type entries are included in the table above.
- When multiple symbols are included in the “To” column, do not use ranges of symbols.
- For administrative transfer of documents, the following text should be used: “< administrative transfer to XX>”, “<administrative transfer to XX and YY simultaneously>”, or “<administrative transfer to XX, YY, ...and ZZ simultaneously>” when administrative transfer of the same documents is to more than one place.
- Administrative transfer to main trunk groups is assumed to be the source allocation type, unless otherwise indicated.
- Administrative transfer to 2000/Y series groups is assumed to be “additional information”.
- If needed, instructions for allocation type should be indicated within the angle brackets using the abbreviations “ADD” or “INV”: <administrative transfer to XX ADD>, <administrative transfer to XX INV>, or < administrative transfer to XX ADD, YY INV, ... and ZZ ADD simultaneously>.
- In certain situations, the “D” entries of 2000-series or Y-series groups may not require a destination (“To”) symbol, however it is required to specify “<no transfer>” in the “To” column for such cases.
- RCL is not needed for finalisation projects.

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4. CHANGES TO THE CPC-TO-IPC CONCORDANCE LIST (CICL)

<u>CPC</u>	<u>IPC</u>	<u>Action*</u>
H01R 4/4811	H01R 4/48	NEW
H01R 4/4814	H01R 4/48	NEW
H01R 4/4816	H01R 4/48	NEW
H01R 4/4818		DELETE
H01R 4/48185	H01R 4/48	NEW
H01R 4/4819	H01R 4/48	NEW
H01R 4/4821	H01R 4/48	NEW
H01R 4/4823	H01R 4/48	NEW
H01R 4/4826	H01R 4/48	NEW
H01R 4/4827		DELETE
H01R 4/48275	H01R 4/48	NEW
H01R 4/4828	H01R 4/48	NEW
H01R 4/483	H01R 4/48	NEW
H01R 4/4833	H01R 4/48	NEW
H01R 4/4835	H01R 4/48	NEW
H01R 4/4836		DELETE
H01R 4/48365	H01R 4/48	NEW
H01R 4/4837	H01R 4/48	NEW
H01R 4/484	H01R 4/48	NEW
H01R 4/4842	H01R 4/48	NEW
H01R 4/4844	H01R 4/48	NEW
H01R 4/4845		DELETE
H01R 4/48455	H01R 4/48	NEW
H01R 4/4846	H01R 4/48	NEW
H01R 4/4848	H01R 4/48	NEW
H01R 4/485	H01R 4/48	NEW
H01R 4/4852	H01R 4/48	NEW

* Action column:

- For an (N) or (Q) entry, provide an IPC symbol and complete the Action column with “NEW.”
- For an existing CPC main trunk entry or indexing entry where the existing IPC symbol needs to be changed, provide an updated IPC symbol and complete the Action column with “UPDATED.”
- For a (D) CPC entry or indexing entry complete the Action column with “DELETE.” IPC symbol does not need to be included in the IPC column.
- For an (N) 2000 series CPC entry which is positioned within the main trunk scheme (breakdown code) provide an IPC symbol and complete the action column with “NEW”.
- For an (N) 2000 series CPC entry positioned at the end of the CPC scheme (orthogonal code), with no IPC equivalent, complete the IPC column with “CPCONLY” and complete the action column with “NEW”.

NOTES:

- F symbols are not included in the CICL table above.
- T and M symbols are not included in the CICL table above unless a change to the existing IPC is desired.