

B61G

COUPLINGS; DRAUGHT AND BUFFING APPLIANCES (vehicle connections in general [B60D](#))

Definition statement

This place covers:

Devices and methods for connecting rolling stock in a train and to cushion impact of the railway vehicles against each other.

References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Vehicle connections in general	B60D
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B61G 1/00

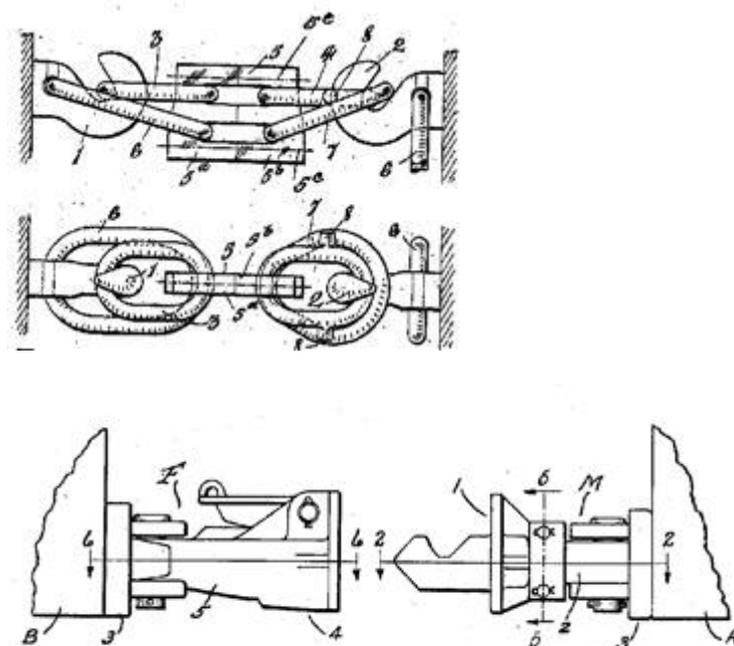
Couplings comprising interengaging parts of different shape or form and having links, bars, pins, shackles, or hooks as coupling means

Definition statement

This place covers:

Couplings having interengaging parts having different shape wherein the couplings mounted on adjacent vehicles could be of same shape, but connected together by parts of different shape, e.g. bars or shackles .

Following drawings show two examples:



References

Limiting references

This place does not cover:

Couplings for matching couplings of different types	B61G 5/04
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B61G 3/00

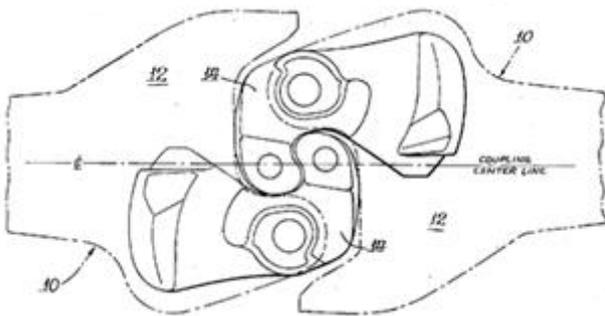
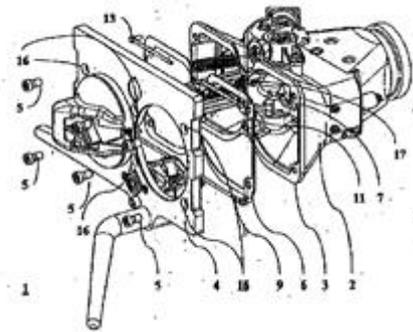
Couplings comprising mating parts of similar shape or form which can be coupled without the use of any additional element or elements

Definition statement

This place covers:

The titles of this group are self-explanatory and do not need to be more specified.

Following drawings show two examples:



B61G 5/00

Couplings for special purposes not otherwise provided for

Definition statement

This place covers:

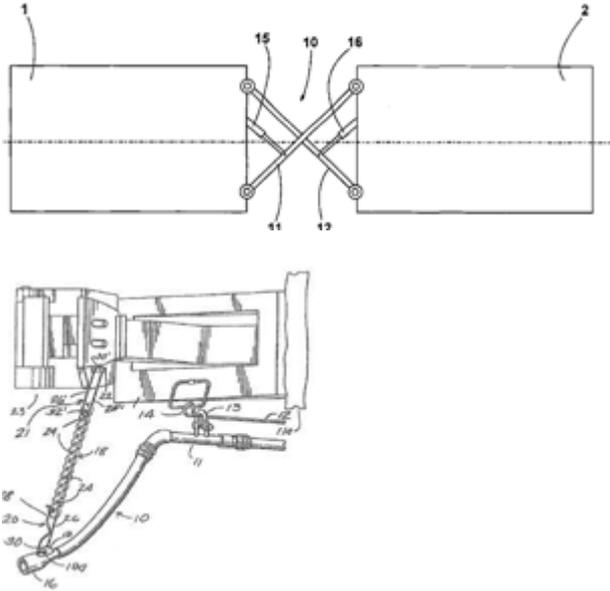
The titles of this group are self-explanatory and do not need to be more specified.

Typical examples are:

- Automatic car coupler.
- Transitional coupling for matching couplings of different types.
- Air hose support clip to prevent lateral loading.

- Centering device for automatic electrical couplings.
- Visual coupling indicator.

Following drawings show two examples:



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Gangways for couled vehicles	B60D 5/00
Pivotal connections	F16C 11/00
Flexible line connectors	H01R 35/02
Arrangements of electric cables or lines between relatively movable parts	H02G 11/00

B61G 5/02

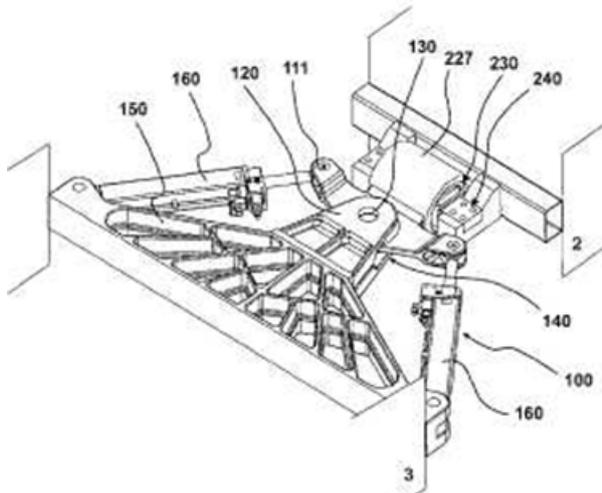
for coupling articulated trains, locomotives and tenders or the bogies of a vehicle; Coupling by means of a single coupling bar; Couplings preventing or limiting relative lateral movement of vehicles

Definition statement

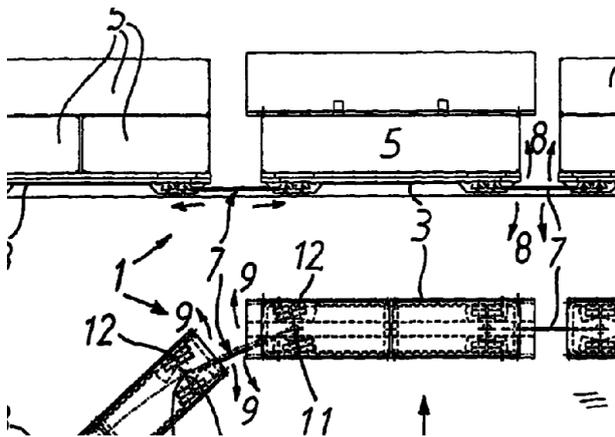
This place covers:

Examples:

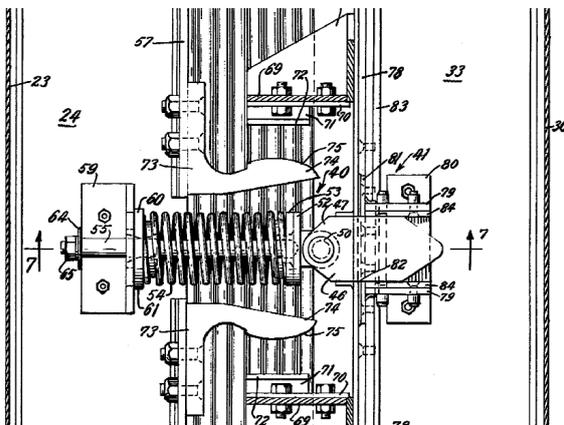
Coupling between two articulated vehicle parts



Coupling by means of a single coupling bar



A convex surface 75 adapted for contact with a plate 72 to limit lateral movement



References

Informative references

Attention is drawn to the following places, which may be of interest for search:

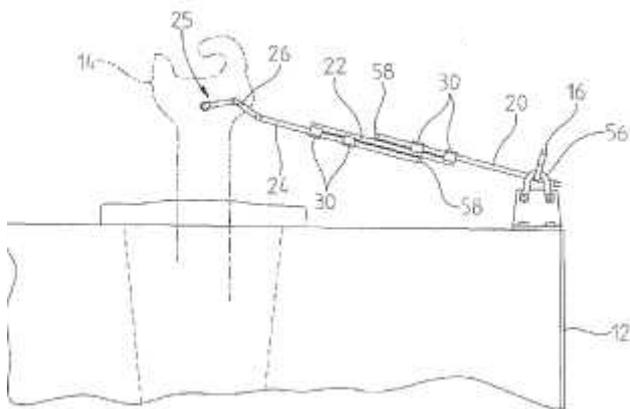
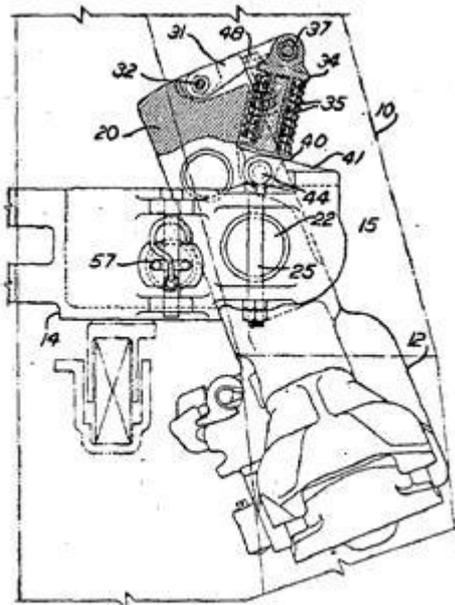
Gangways for coupled vehicles, e.g. of concertina type	B60D 5/00
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Construction details of vehicle bodies

[B61D 17/20](#)**B61G 7/00****Details or accessories****Definition statement***This place covers:*

The titles of this group are self-explanatory and do not need to be more specified.

Following drawings show two examples (US2584486 and US7686177):

**References****Informative references***Attention is drawn to the following places, which may be of interest for search:*

Hand tools

[B25B 27/00](#)

B61G 7/10

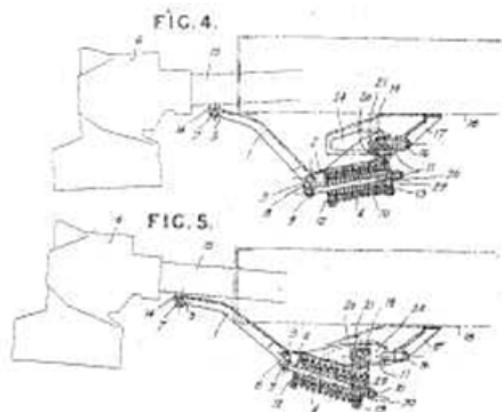
Mounting of the couplings on the vehicle

Definition statement

This place covers:

Arrangement of coupling in relation to vehicle body or under-frame, and mounting of coupling on the vehicle.

Example:



B61G 9/00

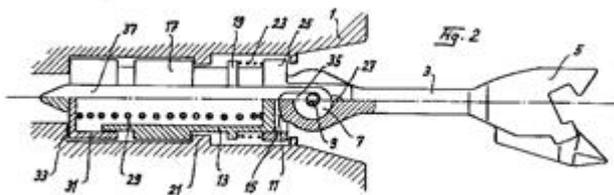
Draw-gear

Definition statement

This place covers:

Details of the structure that links the couplings to the end of the wagon.

Following drawing shows one example;



B61G 11/00

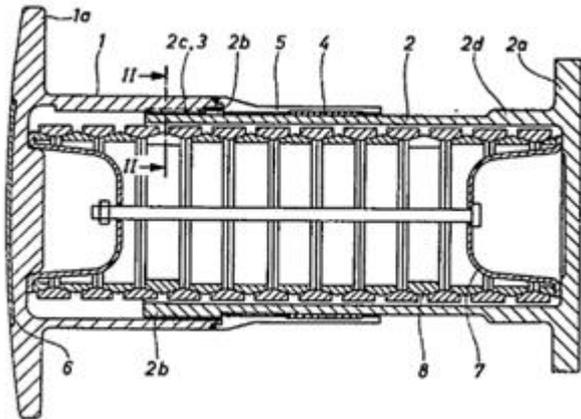
Buffers (springs [F16F](#))

Definition statement

This place covers:

The titles of this group are self-explanatory and do not need to be more specified.

Following drawing shows one example:



References

Limiting references

This place does not cover:

Manufacturing buffers	B23P 15/20
Dampers using plastic deformation	B61F7/12
Buffer for cranes	B66C 7/16
Dampers	F16F

B61G 11/16

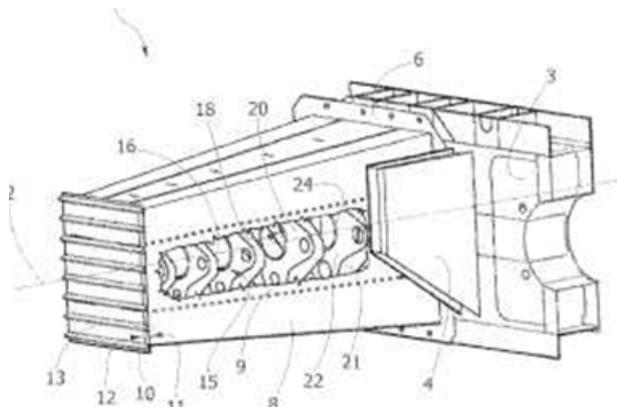
absorbing shocks by permanent deformation of buffer element

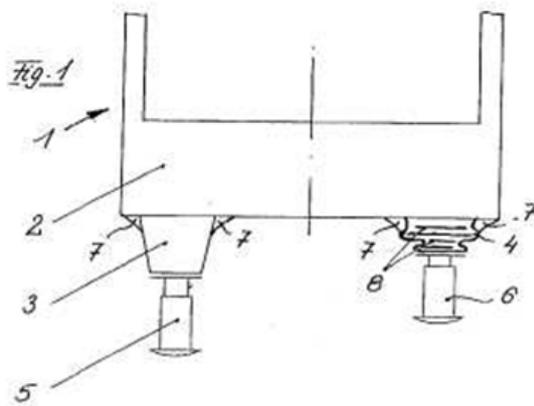
Definition statement

This place covers:

Energy consumption element or collapsible element for absorbing energy in case of collision. The deformation of the element is not reversible.

Following drawings show two examples:





References

Informative references

Attention is drawn to the following places, which may be of interest for search:

Buffer cars; Arrangements or construction of railway vehicles for protecting them in case of collisions	B61D 15/06
Bumpers or like collision guards	B61F 19/04