

DESCRIPTION**Ammunition feed for feeding a belted ammunition**

5 The invention is concerned with an ammunition feed for feeding at least one belted ammunition to a weapon before a breech or breech head of the weapon. The weapon is an externally powered or self-powered weapon system, for example an automatic weapon or a machine
10 gun, with a straight-fed breech or ammunition. In a preferred embodiment, two belted ammunitions of the weapon are fed. The two ammunition feeds transfer the ammunition from one direction and thereby overlap. To avoid misfiring, the extraction of the ammunition from
15 the ammunition belt is separated from the movement of the breech. This makes it possible that the ammunition can only be extracted from the ammunition belt after a predetermined distance has been traveled by the breech.

20 Such weapon systems are known from EP 2 018 509 B1, EP 2 198 231 B1 and EP 2 257 763 B1.

An ammunition feed from different ammunition containers on a common rotor of a weapon from one direction is
25 described by DE 10 2007 062 548 A1.

DE 36 27 360 C1 discloses a dual-cartridge alternating feed for an externally powered automatic weapon with two feed chutes parallel to one another. For feeding
30 the ammunition from the two feed chutes, the direction of rotation of the rotor changes, so that the respective cartridge is transported directly from a waiting position of a feeding star wheel that is fixed to the weapon housing into a recess of the rotor and is
35 transferred to a breech by incremental movements of the rotor for passing it on into a loading chamber.

DE 20 2014 102 779.3, which is not a prior publication, describes an ammunition feed for feeding ammunition into a weapon for delivering the ammunition before a breech from preferably two directions, right and left.

5 For this purpose, a common feed is displaced in the vertical plane, so that a right-hand or left-hand transporting star is incorporated in the ammunition feed or the ammunition propulsion. By displacing the common feed, the ammunition is fed from the right or

10 from the left and placed before the breech or breech head.

The feeding of belted ammunition and delivery of the same before a breech or breech head is also known.

15 Here, the ammunition must be extracted from the belt and delivered to the breech or breech head. The extraction of the ammunition from the belt link takes place during the return of the breech by a cartridge hook, the delivery before the breech takes place during

20 its advancement (see the Browning machine gun). It is disadvantageous that the next ammunition to be fired is already extracted from the belt as the breech moves back. This ammunition is then already in the weapon system if firing is interrupted. In this situation, the

25 weapon system is not safe. In particular, incorporation of a further ammunition feed from the same direction entails the problem of misfiring.

Taking this problem into consideration, the object of

30 the invention is to design a novel ammunition feed.

The object is achieved by the features of patent claim 1. Advantageous refinements can be found in the subclaims.

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The invention is based on the concept of mechanically separating the extraction of the ammunition and the

movement of the breech from one another. The ammunition is for its part only fetched or extracted from the ammunition belt when the breech has already traveled a distance. The extraction of the ammunition consequently
5 only takes place at a point in time at which the breech is already unlocked and partly returned. If at this point in time the firing has been completed and the weapon system stopped, there is no ammunition in the weapon system, since it has not yet been extracted from
10 the ammunition belt.

The separation of the extraction of the ammunition from the movement of the breech is implemented by an ammunition extractor or a cartridge hook being
15 incorporated separately from the breech return, and preferably fixed to the cradle. This allows the two movements, the extraction and the return or advancement of the breech, to be separated from one another. The breech travels a distance and only after this distance
20 carries the cartridge hook along with it, i.e. at a later point in time. During the advancement, the breech carries the cartridge hook along with it over this distance and places the cartridge hook at this position in a deactivating manner, the cartridge hook already
25 hooking into the next ammunition waiting in the extractor groove (cartridge case).

As the fitting location, the invention provides a feed that is integrated in the weapon system in the known
30 way, fixed to the cradle but movable. This feed comprises at least one side guiding part, which receives the necessary guides or control cams for the cartridge hook. An inner guide cam and an outer control cam for the cartridge hook are provided. The inner
35 guide serves the purpose of being able to move the cartridge hook with the breech backward and forward. The cartridge hook can be placed in a deactivating

manner by the breech in a downwardly facing front portion of the cam. The outer control cam serves the purpose that the cartridge hook can extract the ammunition from an ammunition belt and deliver it to
5 the breech. The two cams, the guide cam and the control cam, can also be incorporated on one side in the side guiding part, with the same function.

In order that the cartridge hook only acts on the ammunition in the ammunition belt when the breech has
10 traveled a distance, the breech has a guide or cam. This guide is located in the upper region of the breech or the breech head (chamber). This guide functionally interacts with the inner guide cam and the outer
15 control cam of the cartridge hook by way of means. As means for the interaction between the breech and the cartridge hook, a pin of the cartridge hook engages in this guide. The same pin also lies in the inner guide
20 cam of the side guiding part of the feed. Together with the inner guide cam of the side guiding part of the feed, this guide cam in the breech makes it possible that the cartridge hook can be carried along with the movement of the breech and placed in a predefined
25 position in a deactivating manner during the advancement, i.e. can be separated from the further movement of the breech.

The feed or the side guiding part may additionally be moved laterally, for example by pivoting. This
30 particular embodiment allows the cartridge hook to be moved out of the guide of the breech. By this measure, the safety of the weapon system can be increased, since the cartridge hook, fixed to the cradle, cannot itself perform any movements. This position of the cartridge
35 hook, disengaged from the breech, can be used for transporting the weapon system.

In a development, the invention provides two ammunition feeds on the weapon system. These ammunition feeds can be deployed from the right and from the left.

5 In a preferred embodiment, however, it is provided to incorporate the ammunition feed from one and the same direction, right or left. For this purpose, the side guiding part with the guide and control cam is mirrored and incorporated on one and the same feed. The feed is
10 also movably incorporated in the cradle and can be displaced, etc. In this embodiment, the feed is however preferably also pivoted. The described mimic of the inner guide cam and outer control cam for guiding and controlling the cartridge hook is mirrored as an
15 opposite side guiding part of the feed, incorporated in it. The cartridge hook itself is also mirrored and integrated in the feed. Both cartridge hooks, right and left, are coupled with the breech according to the choosing of ammunition or selection of ammunition, in
20 order then to interact functionally with it.

In a preferred embodiment, it is provided that the two ammunition feeds are arranged in such a way that the upper one runs over the lower one, which for its part
25 is diverted to the same feeding level of the first ammunition. The lower ammunition feed then interacts with the left-hand cartridge hook and the upper ammunition feed interacts with the right-hand cartridge hook, or vice versa. For this purpose, the respective
30 side guiding part with the mimic for guiding and controlling the right-hand or left-hand cartridge hook is moved or deployed into the weapon system. As already explained, the moving preferably takes place by pivoting the entire feed. The pivoting of the feed
35 results from the choosing of the ammunition by an operator. With the moving of the feed, the upper or lower ammunition feed or the upper or lower belted

ammunition is deployed or retracted. With the displacing or pivoting, the respective cartridge hook is also displaced or pivoted together with the ammunition feed / ammunition belt into or out of the weapon system. As a result, either the belted ammunition from the lower ammunition feed or the belted ammunition from the upper ammunition feed can be fired. During the displacing or pivoting, the cartridge hook always remains aligned with the ammunition that is next to be fired from the ammunition belt. One of the advantages of this structural connection between the cartridge hook and the ammunition feed is that a realignment of the cartridge hook with the cartridge rim of the ammunition next to be fired is not necessary. Moreover, the weapon system is already ready to fire when the respective ammunition feed is deployed.

For firing the ammunition from the upper ammunition belt, this ammunition belt is moved down. The end position (beginning of the ammunition belt) of the upper ammunition belt or the feeding ammunition / cartridge then assumes the same height as previously the lower ammunition belt. The two cartridge hooks on the right and left are for their part located at the same height in relation to one another. Both cartridge hooks travel the same distance for feeding the ammunition into a groove on the end face of the breech or the breech head.

The invention is to be explained in more detail on the basis of an exemplary embodiment with drawings, in which:

Figures 1-3 show a feed for a weapon system with two ammunition feeds,

- Figure 4 shows a view of the right-hand side of the feed from Figures 1-3,
- Figure 5 shows a view from below of a cartridge hook,
- Figure 6 shows a representation of the cartridge hook and of a right-hand side guiding part of the feed, from outside,
- Figure 7 shows a representation of the cartridge hook and of the outer side guiding part of the feed, from inside,
- Figure 8 shows a slightly transparent representation of the right-hand side guiding part of the feed with various guide cams and control cams for the cartridge hook in interaction with a breech cam incorporated in the breech head,
- Figure 9 shows a representation of the engagement of the cartridge hook with a cartridge base of an ammunition,
- Figure 10 shows a slightly transparent representation of the interaction of the cartridge hook, the ammunition and a breech of the weapon.
- Right, left, forward and backward are seen in the direction of firing and are defined as such.

The exemplary embodiment is described on the basis of a dual ammunition feeding device 100. An embodiment with only one ammunition feed is likewise provided (still to be explained).

Figures 1-3 show in a plan view a feed 1 for a weapon system that is not represented any more specifically. In a preferred embodiment, a first ammunition feed 2 (for example ammunition container) and a second ammunition feed 3 (for example ammunition chute) are linked with the feed 1. The first ammunition feed 2 comprises a first belted ammunition 4 and the second ammunition feed 3 comprises a second belted ammunition 5. The two ammunitions 4 and 5 are preferably two different types of ammunition, but may also be of the same type.

Also incorporated on the feed 1 are a left-hand cartridge hook 6 and a right-hand cartridge hook 7. Both have in each case a pin 8 and 9, respectively, which face one another. The feed 1 can be pivoted about a pivot point D. A breech or a breech head of the weapon system is identified by 10. In Figure 1, this breech or breech head is functionally coupled with the left-hand cartridge hook 6 by the pin 8 of the left-hand cartridge hook 6. In this position of the feed 1, the first ammunition 4 is fed to the weapon system. In Figure 2, neither of the two cartridge hooks 6, 7 is coupled with the breech 10 by way of its pin 8, 9. This position can be used as a transporting position of the weapon system. It forms a safe position, since neither the ammunition 4 nor the ammunition 5 can be fed to the weapon system. In Figure 3, the right-hand cartridge hook 7 is functionally connected to the breech 10 by way of its pin 9, so that then the ammunition 5 can be introduced into the weapon system and can be brought before the breech 10 (still to be explained).

Figure 4 represents a detailed representation of the right-hand cartridge hook 7, the pin 9 of which engages in the breech 10 a guide or guide cam 11 (breech cam 11) thereof. The breech cam 11 of the breech 10 has an

upwardly directed clearance 12 in the front region of the breech 10. This clearance 12 forms the carrying-along position of the cartridge hook 7. The breech 10 itself is located in its forward position and is
5 locked.

The cartridge hook 7 is represented more specifically in Figure 5. The cartridge hook 7 has in its front portion 7.1 a fork or U shape 7.2, which enclose the
10 side 1.2 of the feed 1. Incorporated on the right-hand inner side 7.3 of the U shape 7.2 is a bolt 13. On the end face 7.4 of the left-hand part of the fork 7.2 is the actual hook 7.5. The cartridge hook 7 is stabilized by way of a supporting part 1.1 of the feed (Figure 6)
15 when the latter is guided together with the breech 10 backward and over the supporting part 1.1. A further bolt 14 is attached above the cartridge hook 7 on the latter. On the outside, the feed 1 has on the right-hand side guiding part 1.2 a guide 15 incorporated in
20 it. This serves as a control cam 16 for the cartridge hook 7. In this control cam 16 engages the bolt 13 of the fork 7.2. The control cam 16 has a slightly sloping portion 16.1 adjoining a short straight portion, a slope 16.2 and also a further straight portion 16.3.

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Figure 7 shows the guide cam 17 lying inside in the side part 1.2 of the feed. This guide cam has at its front end a downwardly facing clearance 17.1. As already explained, the separation of the control cam 16 and the guide cam 17 between the outer side and the
30 inner side of the side guiding part 1.2 is not necessary. There is also the possibility of incorporating the two, with the same function, either on the outer side or on the inner side of the side
35 guiding part 1.2. Correspondingly, the cartridge hook 7 can then dispense with a fork shape 7.2 in the front region 7.1.

Figure 8 shows in a slightly transparent representation a side view of the outer right-hand part 1.2 of the feed 1 (side guide of the cartridge hook 7). An inner
5 guide 17 (Figure 7) in this side guide 1.2 of the feed 1 serves the purpose that the pin 9 of the cartridge hook 1 can be moved together with the breech 10 or the breech head. In this representation according to Figure 6, the cartridge hook 7 is placed in a defined position
10 in a deactivating manner. The cartridge hook 7 is located with its hook 7.5 behind the cartridge rim 5.1 of the ammunition 5 located in the ammunition belt.

Figure 9 shows the engagement of the cartridge hook 7
15 with the ammunition 5 for extracting the same from the ammunition belt of the ammunition feed 3.

In Figure 10, the breech 10 or the breech head is represented more specifically in a slightly transparent representation. Incorporated in the end face 10.1 of
20 the breech 10 is the groove 18. The exit of a firing pin (not represented any more specifically) for striking a primer of the ammunition 4, 5 is identified by 20.

25 The way in which the extraction of the ammunition 5 (4) from the ammunition feed 3 (2) functions and the delivery of a new ammunition 5 (4) before the breech 10 is described on the basis of the right-hand cartridge
30 hook 7 and the belted ammunition 5 of the upper ammunition belt 3:

For firing the ammunition 5 from the upper ammunition belt 4, the ammunition belt is moved downward (see
35 spring-loaded plate 24, Figure 10).

Beginning with the locking of the breech 10 and the igniting of the ammunition 5, the cartridge hook 7 lies in its deactivated position P (Figure 8). The breech 10 lies against the firing chamber of the weapon system.

5 After ignition has taken place, the breech 10 is guided backward into its back position for the delivery of a new ammunition 5. The cartridge hook 7 remains in its current position, while the breech 10 is guided backward. After a predetermined distance W (is

10 determined by the length between the deactivated position P of the cartridge hook 7 and the clearance 12 of the breech cam 11), when the pin 9 of the cartridge hook 7 has covered this distance in the breech cam 11 and run into the clearance 12, the breech 10 carries

15 the cartridge hook 7 along with it in the backward direction. At this point in time, the cartridge hook 7 is in line with a front end face 10.1 of the breech 10 or breech head. The cartridge hook 7 runs with its pin 9, projecting on both sides, out of its clearance 17.1

20 into the inner guide 17 and is guided backward along the latter together with the breech 10. With the backward guiding of the cartridge hook 7, the bolt 13 runs along its outer control cam 16 on the right-hand side guiding part 1.2.

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In the straight portion 16.1, the cartridge hook 7, which has already been hooked into a cartridge rim 5.1 of the ammunition 5 during the advancement of the breech 10, is carried along. With the carrying along of

30 the cartridge hook 7, the ammunition 5 is extracted from the ammunition belt 3 and likewise carried along. The slope 16.2 forms a diverting guide and serves the purpose of pressing the ammunition 5 extracted from the ammunition belt 3 into a groove 19 on the front end

35 face 10.1 of the breech 10. That is to say that the cartridge or ammunition is diverted when the cartridge hook 7 and the breech 10 are together guided backward

after a time delay. The diverting of the extracted ammunition 5 is determined by the slope 16.2. On the way back, the cartridge hook 7 is correspondingly controlled in the downward direction by way of the slope 16.2, whereby the cartridge hook 7 or its hook 7.5 presses the ammunition 5 extracted from the ammunition belt 3 into the end-face groove 19 of the breech 10 (latching onto and engaging). To avoid the ammunition 5 being able to slip out of the hook 7.5 when it is being transported, means 18 are incorporated. These press slightly against it from below. When the ammunition 5 is being pressed down, these means 18 yield, in order to allow engagement of the cartridge rim 5.1 in the groove 19 of the breech 10. Together with an ejector 21 incorporated laterally in the breech 10, the pressing down of the ammunition 5 brings about ejection of the empty cartridge case (not represented any more specifically) guided with the breech 10 from a weapon barrel of the weapon system.

The second straight portion 16.3 serves for restricting this diversion. If the bolt 13 runs into the further straight portion 16.3 of the control cam 13, further diversion or pressing down is prevented (restricted).

On its way forward, the breech 10 then has before it a new ammunition 5, which it pushes into the weapon barrel (firing chamber) of the weapon system. During the advancement of the breech 10, the cartridge hook 7 is also carried along with it. The cartridge hook 7 runs along its guide 17 up to the clearance 17.1 and into the latter. The pin 9 is in this case drawn out of the clearance 12, i.e. out of the carrying-along position of the cartridge hook 7, of the breech 10. The breech 10 for its part continues to run, while the pin 9 of the cartridge hook 7 slides along the breech cam 11. In its forward position, this breech 10 is locked

again. In this position P, the cartridge hook 7 is deactivated.

During the moving forward of the breech 10, the bolt 13
5 is guided along the control cam 16. When moving along the slope 16.2, it raises the cartridge hook 7 and places it against the cartridge rim 5.1 of the ammunition 5 to be newly fetched.

10 The weapon is loaded, firing can begin again.

For easy mounting of the cartridge hook 7 in the control cam 13, a vertical straight portion 22 is incorporated in the side guiding part 1.2.

15 The type of mounting of the pin 9 of the cartridge hook 7 within the cams 11 and 17 in its deactivated position has the advantage that the cartridge hook 7 can respond without any problem to the way in which the weapon
20 system recoils.

For further transport of the belted ammunition 5, the bolt 14 is attached to the cartridge hook 7. This bolt tilts away laterally when the ammunition 5 is diverted
25 by the cartridge hook 7. The bolt 14 performs a rocking movement. A rocker 23 that is linked to the bolt 14 causes the belted ammunition 5 to be extracted from the ammunition feed 3. This takes place by way of a carrier (not represented any more specifically), which acts on
30 the ammunition belt of the ammunition 5 and moves it, i.e. for example pushes and/or pulls it.

A further particular structural feature is also that the pivot point H of the hook 7.5 is located at the
35 front of the cartridge hook 7. When the breech 1 is moved back and the pin 9 slides out of its inactive position into the clearance 12 of the breech cam 11, a

lever movement acts on the cartridge hook 7. This entering of the pin 9 into the clearance does not however exert any lever movement on the hook 7.5, since the latter is arranged at a pivot point H on the
5 cartridge hook 7. This achieves the effect that a lever movement can act on the hook 7.5, and consequently on the ammunition 5.

The ejector 21, which forms the stop for the ammunition
10 5, can be used for secure abutment of the ammunition 5 brought before the breech 10. For this purpose, the ejector 21 is guided in a groove 28 in the breech 10, which lies below the center axis of the breech. It must in this case be ensured that the primer of the
15 ammunition 5 is aligned in line in a plane with the firing pin (20).

The functional sequence of the feeding of the ammunition for the weapon system is described on the
20 basis of the right-hand cartridge hook 7. Since the left-hand cartridge hook 6 and the entire mimic comprising the right-hand side guide 1.2 of the feed 1 is mirrored for the left-hand side guide 1.2', the functional sequence for the feeding of the ammunition
25 of the first ammunition 4 from the lower ammunition feed 2 is correspondingly as described for the upper ammunition feed, just mirror-inverted.

The construction of the feed described above can also
30 be used for only one ammunition feed 2 in the weapon system. In this embodiment, only one side guide is then necessary, primarily the left-hand side guiding part. Then the pin 8 engages in the breech cam 11 of the breech 10. The cartridge hook 6 undertakes the
35 extraction of the ammunition 4 from the ammunition feed 2, i.e. from the ammunition belt. Also in the case of only one ammunition feed, displacing and/or pivoting

may be provided, but would not be necessary here. Providing it would however have the advantage that a safety-relevant and transporting position can also be assumed for this weapon system.

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If only one ammunition feed 2 (3) is present, retrofitting for a second ammunition 5 can be quickly realized. For this purpose, the right-hand side guide 1.2 is docked, i.e. fastened, onto the guide 1, for
10 example screwed on. Should the fastening part not provide any further receiving possibility for this, this fastening part may be exchanged for another fastening part 25 with two receptacles (holes) 26, 27. Alternative means of attachment by way of a plate, etc.
15 are possible.

List of designations

- 1 feed
 - 1.1 supporting part
 - 1.2 right-hand / left-hand side guiding part
- 2 first ammunition feed
- 3 second ammunition feed
- 4 first belted ammunition
- 5 second belted ammunition
- 6 left-hand cartridge hook
- 7 right-hand cartridge hook
 - 7.1 front portion
 - 7.2 fork / U shape
 - 7.3 right-hand inner side of fork
 - 7.4 end face of fork
 - 7.5 hook (claw)
- 8 pin of left-hand cartridge hook
- 9 pin of right-hand cartridge hook
- 10 breech / breech head
- 11 breech cam at top of breech
- 12 clearance in the breech cam
- 13 bolt (on the fork)
- 14 bolt (on the cartridge hook)
- 15 guide
- 16 control cam of cartridge hook
 - 16.1 straight portion
 - 16.2 slope
 - 16.3 second straight portion
- 17 guide (inner side of side guiding part)
 - 17.1 clearance
- 18 means
- 19 groove
- 20 firing pin exit
- 21 lateral ejector
- 22 straight portion for mounting
- 23 rocker
- 24 means for diverting the upper ammunition belt
- 25 fastening part

26 clearance

27 clearance

28 groove in the breech

100 ammunition feeding device

Patent claims

1. An ammunition feeding device (100) of a belted ammunition (4, 5) in a weapon system for delivery
5 before a breech (10) or a breech head, the ammunition (4, 5) being extracted from the ammunition belt and delivered to the breech (10) by a cartridge hook (6, 7), **characterized** in that the cartridge hook (6, 7) is incorporated in the weapon
10 system separately from the breech (10), the cartridge hook (6, 7) being carried along or placed in a deactivating manner by the breech (10) when the breech (10) travels a distance backward or forward.
15
2. The ammunition feeding device (100) as claimed in claim 1, **characterized** in that the cartridge hook (6, 7) is integrated in the weapon system, fixed to the cradle.
20
3. The ammunition feeding device (100) as claimed in claim 1 or 2, characterized in that at least one side guiding part (1.2, 1.2') comprises a control cam (16) and guide cam (17) for the cartridge hook (6, 7), the guide cam (17) having in its front
25 portion a downwardly facing clearance (17.1) and the control cam (16) replicating the control of the cartridge hook (6, 7).
- 30 4. The ammunition feeding device (100) as claimed in claim 3, **characterized** in that the at least one side guiding part (1.2, 1.2') forms a feed (1).
- 35 5. The ammunition feeding device (100) as claimed in claim 3, **characterized** in that two side guiding parts (1.2, 1.2') which form a feed (1) are incorporated.

6. The ammunition feeding device (100) as claimed in one of claims 1 to 5, **characterized** in that the breech (10) has a guide (10) as a breech cam in the upper region of the breech (10), the breech cam (11) having in the front region an upwardly facing clearance (12) for the carrying along of the cartridge hook (6, 7).
7. The ammunition feeding device (100) as claimed in one of claims 1 to 6, **characterized** in that the cartridge hook (6, 7) has a means (8, 9) which realizes a functional interaction of the cartridge hook (6, 7), which is separate from the breech (10), with the breech (10).
8. The ammunition feeding device (100) as claimed in claim 7, **characterized** in that the means (8, 9) is a pin which engages in the guide cam (17) of the side guiding part (1.2, 1.2') for the cartridge hook (6, 7) and in the breech cam (11).
9. The ammunition feeding device (100) as claimed in one of claims 1 to 8, **characterized** in that the breech (10) has on the end face a groove (19), into which the ammunition (4, 5) is deployed by the cartridge hook (6, 7).
10. The ammunition feeding device (100) as claimed in claim 9, **characterized** in that an ejector (21) incorporated in the breech serves as a restriction for the ammunition (4, 5) during the delivery before the breech (10).
11. The ammunition feeding device (100) as claimed in one of claims 3 to 10, **characterized** in that the at least one side guiding part (1.2, 1.2') can be displaced with the cartridge hook (6, 7) in such a

way that the means (8, 9) of the cartridge hook (6, 7) is guided out of and into the breech cam (11).

- 5 12. The ammunition feeding device (100) as claimed in one of claims 1 to 11, **characterized** in that the control cam (16) of the cartridge hook (6, 7) is incorporated on the outside in the side guiding part (1.2, 1.2') and the guide cam (17) for the cartridge hook (6, 7) is incorporated on the inside
10 in the side guiding part (1.2, 1.2').
13. The ammunition feeding device (100) as claimed in one of claims 1 to 12, **characterized** in that on an end face (7.4) of the cartridge hook (7) there is a
15 hook (7.5).
14. The ammunition feeding device as claimed in claim 13, **characterized** in that the hook (7.5) on the cartridge hook (7) is mounted in a pivot point (H).
20
15. The ammunition feeding device (100) as claimed in one of claims 1 to 14, **characterized** in that the cartridge hook has in its front portion (7.1) a fork or U shape (7.2), which enclose the side
25 guiding part (1.2), a bolt (13) being incorporated on a right-hand inner side (7.3) of the fork shape (7.2) and the hook (7.5) that is mounted at a pivot point (H) being on the end face of the left-hand fork shape (7.2).
30
16. The ammunition feeding device (100) as claimed in one of claims 1 to 15, **characterized** in that the cartridge hook (6, 7) is stabilized by way of a supporting part (1.1) of the feed (1) when the
35 latter is guided together with the breech (10) backward or forward.

17. The ammunition feed (100) as claimed in one of
claims 1 to 16, **characterized** in that a further
bolt (14), with which the transport of the belted
ammunition (4, 5) into the weapon system is made
5 possible, is attached above the cartridge hook (6,
7) on the latter.