CLAIMS

1. An arrangement for feeding ammunition (A) to a weapon, the weapon being mounted to an elevation device arranged to allow elevation movement of the weapon about an elevation axis (Z1), the arrangement comprising a feeding chute connected at one end to the weapon , the feeding chute comprising a set of elements assembled together in a stacked configuration, wherein the set of elements is arranged about a shaft configured to be concentrically arranged relative to the elevation axis (Z1) so as to allow movement of individual elements of the set of elements about said shaft in connection to elevation movement of the weapon about the elevation axis (Z1), wherein feeding chute is configured to provide at least one channel by means of said elements, through which at least one channel ammunition is configured to be fed, wherein the individual elements movable about said shaft are configured to be arranged a certain distance relative to each other in the axial direction of said shaft, wherein the feeding chute comprises a gliding arrangement comprising a set of gliding members arranged in connection to the individual elements and configured to run in the feeding direction so as to facilitate feeding of ammunition through the respective individual elements of the feeding chute.

2. The arrangement according to claim 1, wherein the feeding chute, at the end opposite to the end connected to the weapon, is configured to be fixedly attached to a guiding chute for guiding the ammunition (A) from a magazine (M) to the feeding chute.

3. The arrangement according to claim 1, wherein the feeding chute comprises a first end element configured to be closest to the weapon, the first end element being configured to be pivoted about the shaft corresponding to the elevation movement of the weapon about the elevation axis (Z1).

4. The arrangement according to claim 1, wherein the feeding chute comprises a second end element configured to be furthest away from the

weapon, the second end element being configured to be essentially fixed so that it is at the same position independently of elevation angle of the weapon thus connected to the feeding chute.

5. The arrangement according to claim 4, wherein the elements of the set of elements between the first end element and the second end element are gradually mutually displaceable.

6. The arrangement according to claim 1, wherein the individual elements movable about said shaft are configured to be rotated about the shaft a certain angle relative to an adjacent element so as to allow feeding of ammunition (A) through the feeding chute at all elevation angles of the elevation device.

7. The arrangement according to claim 1, wherein individual gliding members of the gliding arrangement comprises gliding rails overlappingly arranged in connection to individual elements so as to allow relative movement of said gliding rails for facilitating gradual mutual displacement of individual elements of the set of elements when rotated about said shaft.

8. The arrangement according to claim 1, the feeding chute having a connection side for connecting the feeding chute to the weapon, and an opposite receiving side, the feeding chute having a front side essentially facing the firing direction of the weapon, when the feeding chute is connected to the weapon, and an opposite rear side, wherein the arrangement comprises a rotation limit arrangement arranged in connection to the front side or rear side of the feeding chute configured to limit rotation of the individual elements about said shaft, wherein the rotation limit arrangement comprises tracks in connection to individual elements of said set of elements, said tracks running in a direction essentially orthogonal to the extension of the shaft so as to facilitate said limited rotation of the individual elements about said shaft.

9. The arrangement according to claim 8, wherein the rotation limit arrangement comprises a set of distance members configured to connect said

set of elements so as to limit the rotation of the individual elements about said shaft.

10. The arrangement according to claim 4, wherein the second end element furthest away from the weapon is configured to have an angle (β) within a range between the maximum elevation angle (α1) and minimum elevation angle (α2) of the weapon.

11. The arrangement according to claim 1, wherein the set of elements are pivotably journalled about said shaft.

12. The arrangement according to claim 1, wherein the feeding chute comprises an upper channel (C1) for feeding ammunition (A) and a lower channel (C2) for feeding ammunition (A), said shaft being arranged between the upper and lower channel.

13. The arrangement according to claim 1, wherein the feeding chute, in connection to said one end of the feeding chute, comprises a fastening arrangement for attaching the feeding chute to the weapon.

14. The arrangement according to claim 2, wherein the ammunition (A) is configured to be guided from an essentially upright position in the magazine to an essentially lying position at the feeding chute via the guiding chute.

15. The arrangement according to claim 1, wherein the arrangement is intended for a vehicle mounted weapon system (C), the weapon system (C) comprising the weapon mounted to a turret via the elevation device.

16. The arrangement according to claim 2, wherein the arrangement comprising the feeding chute, and the guiding chute to which the feeding chute is connected are configured to be arranged within a turret of a vehicle mounted weapon system (C) for which the arrangement is intended, the weapon system (C) comprising the weapon mounted to a turret via the elevation device.

17. A vehicle (V) comprising an arrangement for feeding ammunition (A) from a magazine to a weapon of a weapon system mounted on the vehicle according to claim 1.

18. The vehicle according to claim 17, wherein the vehicle is a tracked vehicle.