CLAIMS:

1. A method for pushing an object comprising steps of:

a) providing a protection mounting seat, and a first mounting seat that is movably disposed on the protection mounting seat;

b) providing first and second slide seats that are disposed on the first mounting seat and that are able to be driven by at least one driving force to move relative to each other along a first straight line;

c) providing a push member that is movable along a second straight line for pushing the object; and

d) associating the push member with the first and second slide seats such that the push member and any one of the first and second slide seats are moved relative to each other along the second straight line by the relative movement between the first and second slide seats.

2. The method as claimed in claim 1, wherein the push member is associated with the first and second slide seats by a plurality of links, the at least one driving force driving relative movement between the push member and any one of the first and second slide seats via the first and second slide seats and the links.

3. The method as claimed in claim 1, wherein the first

straight line and the second straight line are configured to reside in the same plane.

4. The method as claimed in claim 1, wherein the first straight line and the second straight line are configured to respectively reside in two planes that are parallel to each other.

5. The method as claimed in claim 1, wherein, when the push member is unable to move the object during the movement between the push member and any one of the first and second slide seats away from each other along the second straight line, the first and second slide seats move away from the object.

6. A method for pushing an object comprising steps of:

a) providing a protection mounting seat, and a first mounting seat that is movably disposed on the protection mounting seat;

b) providing a push member that is movable along a first straight line for pushing the object;

c) providing two driving forces that respectively act in two opposite directions along a second straight line that is perpendicular to the first straight line, the second straight line being co-movable with the first mounting seat; and

d) associating the push member with the driving

forces such that the push member is able to be moved relative to the second straight line along the first straight line by the driving forces.

7. The method as claimed in claim 6, wherein the push member is associated with the driving forces by a plurality of links, the driving forces acting on the links for driving movement of the push member along the first straight line.

8. The method as claimed in claim 6, wherein the first straight line and the second straight line are configured to reside in the same plane.

9. The method as claimed in claim 6, wherein the first straight line and the second straight line are configured to respectively reside in two planes that are parallel to each other.

10. The method as claimed in claim 6, wherein when the push member is unable to move the object during the movement between the push member and the second straight line away from each other along the first straight line, the second straight line that serves as the line of action of the driving forces moves away from the object.

11. A push device adapted for pushing an object comprising:

a protection mounting seat;

a first mounting seat that is movably disposed on said protection mounting seat;

first and second slide seats that are disposed on said first mounting seat and that are able to move relative to each other along a first straight line; and

a push member that is movable along a second straight line for pushing the object and that is associated with said first and second slide seats such that the push member and any one of said first and second slide seats are moved relative to each other along the second straight line by the relative movement between said first and second slide seats.

12. The push device as claimed in claim 11, further comprising a first scissor link that has an end pivoted to said first slide seat, a second scissor link that has an end pivoted to said second slide seat and that is crossed by said first scissor link, a first pivot member that pivotally interconnects middle portions of said first and second scissor links, a first push link that has an end pivoted to the other end of said first scissor link that is distal from said first slide seat, and a second push link that has an end pivoted to the other end of said second scissor link that is distal

from said second slide seat, said push member pivotally interconnecting the other end of the first push link and the other end of the second push link.

13. The push device as claimed in claim 11, further comprising a first scissor link that has an end pivoted to said first slide seat, and a second scissor link that has an end pivoted to said second slide seat.

14. The push device as claimed in claim 13, further comprising a first push link that has an end pivoted to said push member, and a second push link that has an end pivoted to said push member, the relative movement between said first and second slide seats along the first straight line driving relative movement between said push member and any one of said first and second slide seats along the second straight line via said first scissor link, said second scissor link, said first push link and said second push link.

15. The push device as claimed in claim 13, wherein said first scissor link and said second scissor link are crossed, said push device further comprising a first pivot member that pivotally interconnects the crossed portions of said first and second scissor links.

16. The push device as claimed in claim 11, further comprising a slide rail that is disposed on said first mounting seat and that extends in a direction perpendicular to the second straight line, and first and second actuators that are respectively disposed at two opposite longitudinal ends of said slide rail, said first and second slide seats being slidably mounted to said slide rail, said first actuator driving movement of said first slide seat along said slide rail, said second actuator driving movement of said second slide seat along said slide rail.

17. The push device as claimed in claim 16, further comprising two protection slide rails that are disposed on a top surface of said protection mounting seat, and two protection slide seats that are respectively and slidably mounted on said protection slide rails, said first mounting seat being provided on a bottom surface thereof with two fixing portions that respectively correspond in position to said protection slide seats and that are respectively and fixedly connected to said protection slide seats.

18. The push device as claimed in claim 17, further comprising at least one stop member that is disposed on said protection mounting seat and that is located at one side of said first mounting seat proximate to

the object.

19. The push device as claimed in claim 18, further comprising a protection connecting portion that is disposed on said top surface of said protection mounting seat and that is proximate to said push member, a first connecting portion that is disposed on said first mounting seat and that is distal from said push member, and a resilient member that has two opposite ends respectively connected to said protection connecting portion and said first connecting portion, said resilient member exerting a resilient force to resiliently bias said first mounting seat to abut against said at least one stop member.

20. The push device as claimed in claim 18, further comprising a sensor that is disposed on said top surface of said protection mounting seat, a sensing component that is disposed on one side of said first mounting seat that corresponds in position to said sensor.

21. The push device as claimed in claim 17, wherein said protection mounting seat is adapted to be mounted to a fixing member of a conveying equipment that is provided with box frame for receiving the object.

22. A push device configured to execute the method for pushing an object as claimed in any one of claims 2 to 10.