CLAIMS

1. A mount apparatus onto and from which an accessory provided with a first mount is mountable and dismountable, comprising:

a second mount;

a plurality of claw portions arranged to couple to a plurality of claw portions provided on the accessory in a center axis direction of the second mount; and

a first restricting member arranged to restrict relative rotation of the plurality of claw portions of the accessory and the plurality of claw portions of the mount apparatus,

wherein the plurality of claw portions of the mount apparatus includes a first claw portion, a second claw portion, and a third claw portion that are disposed along a circumferential direction of the second mount, an angle range of the first claw portion in the circumferential direction of the second mount being greater than an angle range of the second claw portion and an angle range of the third claw portion,

wherein, when the second mount is viewed from the center axis direction of the second mount, a line through the first restricting member and a center of the second mount is taken as a first mount center line, and a line through the center axis of the second mount and orthogonal to the first mount center line is taken as a second mount center line,

wherein, when the second mount is viewed from the center axis direction of the second mount, in a normal position of the mount apparatus, the first claw portion is disposed on a first side opposite to a gravitational direction with respect to the first mount center line and not disposed on a second side including the gravitational direction with respect to the first mount center line, and

wherein, when the second mount is viewed from the center axis direction of the second mount, one of the second claw portion and the third claw portion is located on the first mount center line on a side opposite to the first restricting member with respect to the second mount center line.

2. The mount apparatus according to Claim 1,

wherein, when the second mount is viewed from the center axis direction of the second mount, the first claw portion is located on the second mount center line.

3. The mount apparatus according to Claim 1 or 2,

wherein, when the second mount is viewed from the center axis direction of the second mount, in the normal position of the mount apparatus, the third claw portion is disposed on the second side with respect to the first mount center line.

4. The mount apparatus according to any one of Claims 1 to 3,

wherein, in the circumferential direction of the second mount, the

angle range of the first claw portion is equal to or greater than a total sum of the angle range of the second claw portion and the angle range of the third claw portion.

5. The mount apparatus according to Claim 4,

wherein, in a case of viewing the second mount from the center axis direction of the second mount, in the normal position of the mount apparatus, the total sum of angle ranges of the plurality of claw portions of the mount apparatus at the first side with respect to the first mount center line in the circumferential direction of the second mount, is equal to or larger than the total sum of angle ranges of the plurality of claw portions of the mount apparatus at the second side opposite to the first side with respect to the first mount center line.

6. The mount apparatus according to any one of Claims 1 to 5,

wherein, in a state where the accessory is mounted on the mount apparatus, the first restricting member is engaged with a second restricting member provided on the accessory so as to restrict relative rotation of the plurality of claw portions of the accessory and the plurality of claw portions of the mount apparatus in the circumferential direction of the second mount, and

wherein, in the state where the first restricting member is engaged with the second restricting member, each of the plurality of claw portions of the mount apparatus is engaged with a corresponding claw portion among the plurality of claw portions of the accessory in

the center axis direction of the second mount.

7. The mount apparatus according to Claim 6,

wherein the first restricting member is a pin which is movable in the center axis direction of the second mount.

8. The mount apparatus according to any one of Claims 1 to 7,

wherein the mount apparatus includes a first recess portion between the first claw portion and the second claw portion, to which a fourth claw portion among the plurality of claw portions of the accessory can be inserted, a second recess portion between the second claw portion and the third claw portion, to which a fifth claw portion among the plurality of claw portions of the accessory can be inserted, and a third recess portion between the third claw portion and the first claw portion, to which a sixth claw portion among the plurality of claw portions of the accessory can be inserted, and

wherein the angle range of the third recess portion in the circumferential direction of the second mount is equal to or greater than the angle range of the first recess portion and the angle range of the second recess portion in the circumferential direction of the second mount.

9. The mount apparatus according to any one of Claims 1 to 8,

wherein, in the circumferential direction of the second mount, the angle range of the first claw portion is equal to or greater than 1.5

times of the angle range of the second claw portion and the angle range of the third claw portion.

10. The mount apparatus according to Claim 9,

wherein the angle ranges in the circumferential direction of the second mount are 92° for the first claw portion, 48° for the second claw portion, and 40° for the third claw portion.

11. The mount apparatus according to any one of Claims 1 to 10,

wherein the mount apparatus is configured to transition between a first state where each of the plurality of claw portions of the mount apparatus is inserted to a corresponding recess among a plurality of recesses of the accessory, and a second state where the plurality of claws of the mount apparatus and the plurality of claws of the accessory are engaged with each other in the center axis direction of the second mount, and

wherein, in the circumferential direction of the second mount, the angle range of the first claw portion is less than an angle range of, among the plurality of recess portions of the accessory, a recess portion in which the first claw portion can be inserted.

12. The mount apparatus according to any one of Claims 1 to 11, further comprising,

an image sensor, and

wherein the second mount is enabled to couple to the first mount

provided, on an interchangeable lens, as the accessory.

13. The mount apparatus according to any one of Claims 1 to 11, further comprising;

a third mount provided on a side opposite to the second mount in the center axis direction of the second mount and enabled to couple to a fourth mount provided on an image capturing apparatus, and

wherein the second mount is enabled to couple to the first mount provided, on an interchangeable lens, as the accessory.

14. An accessory being mountable onto and dismountable from a mount apparatus having a first mount, the accessory comprising:

a second mount;

a first claw portion arranged to engage with a fourth claw portion that has a greatest angle range in a circumferential direction of the first mount among a plurality of claw portions provided on the mount apparatus;

a first recess portion to which the fourth claw portion of the mount apparatus can be inserted in a center axis direction of the second mount; and

a first restricting member arranged to restrict relative rotation of the plurality of claws of the mount apparatus and the first claw portion of the accessory,

wherein, when the second mount is viewed from the center axis direction of the second mount, a line through the first restricting

member and a center of the second mount is taken as a first mount center line, and a line through the center axis of the second mount and orthogonal to the first mount center line is taken as a second mount center line,

wherein, in a state where the accessory is mounted on the mount apparatus, the first claw portion engages with the fourth claw portion of the mount apparatus in the center axis direction of the second mount,

wherein, when the second mount is viewed from the center axis direction of the second mount, the first recess portion is not located on the second mount center line, and

wherein, when the second mount is viewed from the center axis direction of the second mount, in a normal position of the mount apparatus in a state where the accessory is mounted on the mount apparatus, the first claw portion is disposed on a side opposite to a gravitational direction with respect to the first mount center line, and the fourth claw portion is located on the second mount center line.

15. The accessory according to Claim 14,

wherein the accessory includes a second recess portion, and a third recess portion,

wherein the first recess portion, the second recess portion and the third recess portion of the accessory are disposed along the circumferential direction of the second mount,

wherein an angle range of the first recess portion is greater than an angle range of the second recess portion and an angle range of the

third recess portion in the circumferential direction of the second mount, and

wherein, when the second mount is viewed from the center axis direction of the second mount, none of a plurality of recess portions of the accessory is located on the second mount center line.

16. The accessory according to Claim 15,

wherein the angle range of the first recess portion in the circumferential direction of the second mount is equal to or greater than a total sum of the angle range of the second recess portion and the angle range of the third recess portion.

17. The accessory according to Claims 15 or 16, further comprising;

a second claw portion, and a third claw portion,

wherein the first claw portion, the second claw portion and the third claw portion are disposed along the circumferential direction of the second mount, and

wherein, when the second mount is viewed from the center axis direction of the second mount, the first claw portion is located on the second mount center line.

18. The accessory according to Claim 17,

wherein, when the second mount is viewed from the center axis direction of the second mount, the third claw portion is located on the

second mount center line.

19. The accessory according to Claim 18,

wherein, when the second mount is viewed from the center axis direction of the second mount, the second claw portion is located on the first mount center line.

20. The accessory according to any one of Claims 17 or 19,

wherein, in a state where the accessory is mounted on the mount apparatus, the first restricting member is engaged with a second restricting member provided on the mount apparatus so as to restrict relative rotation of the plurality of claw portions of the mount apparatus and the plurality of claw portions of the accessory in the circumferential direction of the second mount, and

wherein, in the state where the first restricting member is engaged with the second restricting member, in the center axis direction of the second mount, each of the plurality of claw portions of the accessory is engaged with a corresponding claw portion among the plurality of claw portions of the mount apparatus.

21. The accessory according to Claim 20,

wherein the first restricting member is a concave portion into which the second restricting member of the mount apparatus fits.

22. The accessory according to any one of Claims 17 to 10,

wherein, on the accessory, a fifth claw portion provided to the mount apparatus can be inserted to the second recess portion, and a sixth claw portion provided to the mount apparatus can be inserted to the third recess portion.

23. The accessory according to Claim 22,

wherein the accessory is configured to transition between a first state where each of the plurality of claw portions of the mount apparatus is inserted to a corresponding recess among the plurality of recess portions of the accessory, and a second state where the plurality of claw portions of the accessory and the plurality of claw portions of the mount apparatus are engaged with each other in the center axis direction of the second mount.

24. The accessory according to any one of claims 15 to 23,

wherein, in the circumferential direction of the second mount, the angle range of the first recess portion is equal to or greater than 1.5 times of the angle range of the second recess portion and the angle range of the third recess portion.

25. The accessory according to any one of Claims 14 to 24, wherein the accessory is an interchangeable lens including the second mount which is enabled to couple to the first mount provided, on an image capturing apparatus, as the mount apparatus.

26. The accessory according to any one of Claims 14 to 24,

wherein the accessory is an adapter device including a third mount provided on a side opposite to the second mount in the center axis direction of the second mount, wherein the third mount is enabled to couple to a fourth mount provided on the interchangeable lens, and

wherein the second mount is enabled to couple to the first mount provided, on the image capturing apparatus, as the mount apparatus.