Claims

What is claimed is:

1. A carrycot (100) comprising:

a carrycot body (10);

a mounting bracket (20) disposed on an outer surface of the carrycot body (10);

a first connecting assembly (21) disposed on one of the carrycot body (10) and the mounting bracket (20), the first connecting assembly (21) being for detachably connecting the carrycot (100) to a first carrier frame; and

a second connecting assembly (22) disposed on the mounting bracket (20), the second connecting assembly (22) being for detachably connecting the carrycot (100) to a second carrier frame different from the first carrier frame,

characterized in that the first connecting assembly (21) comprises at least one engaging slot structure (2A), and a width of a lower portion of the at least one engaging slot structure (2A) is greater than a width of an upper portion of the at least one engaging slot structure (2A).

2. The carrycot (100) of claim 1, characterized in that the mounting bracket (20) is partially embedded into the carrycot body (10).

3. The carrycot (100) of claim 1, characterized in that the at least one engaging slot structure (2A) comprises a first portion (211) and a second portion (213), and an engaging portion (212) is on the second portion (213) for engaging with a portion of the first carrier frame.

4. The carrycot (100) of claim 1, characterized in that the second connecting assembly (22) comprises a plurality of fixing blocks (221) and a plurality of engaging components (223), the plurality of fixing blocks (221) protrude from the mounting bracket (20), each of the plurality of engaging components (223) is disposed between corresponding two of the plurality of fixing blocks (221) and for detachably engaging with the second carrier frame, and each of the plurality of fixing blocks (221) is for guiding the corresponding engaging component (223) to detachably engage with the second carrier frame.

5. The carrycot (100) of claim 4, characterized in that a slanted surface (222) is on

an end of each of the plurality of fixing blocks (221) away from the corresponding engaging component (223) and for guiding the corresponding engaging component (223) to detachably engage with the second carrier frame, and a smooth transition area is between a bottom surface of each of the plurality of fixing blocks (221) and the corresponding slanted surface (222).

6. The carrycot (100) of claim 4, characterized in that the plurality of fixing blocks (221) and the mounting bracket (20) are integrally formed with each other.

7. The carrycot (100) of claim 4, characterized in that each of the plurality of engaging components (223) is a rod-shaped structure.

8. The carrycot (100) of claim 4, characterized in that at least one supporting block (26) protrudes from an end of the mounting bracket (20) away from the plurality of fixing blocks (221), and the at least one supporting block (26) and the plurality of fixing blocks (221) are for supporting the carrycot body (10) on a horizontal surface cooperatively.

9. The carrycot (100) of claim 1, characterized in that at least one first shoulder strap hole (13) and at least one first crotch strap hole (12) are on the carrycot body (10), at least one second shoulder strap hole (24) and at least one second crotch strap hole (23) are on the mounting bracket (20), the at least one first shoulder strap hole (13) and the at least one second shoulder strap hole (24) allow a shoulder strap to pass through and are aligned with each other, and the at least one first crotch strap hole (12) and the at least one second crotch strap hole (23) allow a crotch strap to pass through and are aligned with each other.

10. The carrycot (100) of claim 1, characterized in that at least one first through hole (14) is on the carrycot body (10), at least one second through hole (25) is on the mounting bracket (20), and the at least one first through hole (14) and the at least one second through hole (25) are aligned with each other.

11. The carrycot (100) of claim 1, further characterized by a handle (11) movably disposed on the carrycot body (10).

12. The carrycot (100) of claim 1, characterized in that the carrycot body (10) is made of foam material.

13. The carrycot (100) of claim 1, characterized in that the mounting bracket (20) is made of hard material.

14. A carrycot structure (1000) installed on a vehicle seat, the carrycot structure (1000) comprising a base (200) and the carrycot (100) of claim 1, and the carrycot (100) being detachably installed on the base (200) by the second connecting assembly (22).

15. The carrycot structure (1000) of claim 14, characterized in that the second connecting assembly (22) comprises a plurality of fixing blocks (221) and a plurality of engaging components (223), the plurality of fixing blocks (221) protrude from the mounting bracket (20), each of the plurality of engaging components (223) is disposed between corresponding two of the plurality of fixing blocks (221) and for detachably engaging with the base (200), and each of the plurality of fixing blocks (221) is for guiding the corresponding engaging component (223) to detachably engage with the base (200).

16. The carrycot structure (1000) of claim 15, characterized in that a slanted surface (222) is on an end of each of the plurality of fixing blocks (221) away from the corresponding engaging component (223) and for guiding the corresponding engaging component (223) to detachably engage with the base (200), and a smooth transition area is between a bottom surface of each of the plurality of fixing blocks (221) and the corresponding slanted surface (222).

17. The carrycot structure (1000) of claim 16, characterized in that a plurality of smooth curved surfaces (204) are on the base (200), and each of the plurality of smooth curved surfaces (204) is for cooperating with the slanted surface (222) of the corresponding fixing block (221).

18. The carrycot structure (1000) of claim 15, characterized in that the plurality of

fixing blocks (221) and the mounting bracket (20) are integrally formed with each other.

19. The carrycot structure (1000) of claim 15, characterized in that each of the plurality of engaging components (223) is a rod-shaped structure, and a longitudinal direction of each of the plurality of engaging components (223) is parallel to a longitudinal direction of the carrycot body (10).

20. The carrycot structure (1000) of claim 15, characterized in that a plurality of locking components (201) protrude from the base (200) and are for cooperating with the plurality of engaging components (223) respectively, and a locking slot (202) is on each of the plurality of locking components (201) and for engaging with the corresponding engaging component (223).

21. The carrycot structure (1000) of claim 20, characterized in that at least one restraining block (203) protrudes from the base (200) and is located on at least one side of at least one of the plurality of fixing blocks (221), and the at least one restraining block (203) is for abutting against the corresponding fixing block (221) for restraining a movement of the carrycot (100) relative to the base (200).

22. The carrycot structure (1000) of claim 20, characterized in that a gap (224) is between each of the plurality of engaging components (223) and the mounting bracket (20) and for partially accommodating the corresponding locking component (201).

23. A child carrier (2000) comprising a carrier frame (300) and the carrycot (100) of any one of claims 1 to 13, and the carrycot (100) being detachably installed on the carrier frame (300).

24. The child carrier (2000) of claim 23, characterized in that the carrier frame (300) comprises a cooperating component (301) for cooperating with the first connecting assembly (21), and the carrycot (100) is detachably installed on the carrier frame (300) by a cooperation of the first connecting assembly (21) and the cooperating component (301).

25. The child carrier (2000) of claim 23, characterized in that the carrier frame (300) is a stroller frame or a crib frame.

26. A carrycot (100) comprising:
a carrycot body (10) made of foam material;
a mounting bracket (20) made of hard material, the mounting bracket (20) covering a bottom portion of the carrycot body (10), the mounting bracket (20) and the carrycot body (10) cooperatively forming an integral structure;
a first connecting assembly (21) disposed on the mounting bracket (20), and for detachably connecting the carrycot (100) to a first carrier frame,
wherein the first connecting assembly (21) comprises at least one engaging slot structure (2A), and a width of a lower portion of the at least one engaging slot structure (2A) is greater than a width of an upper portion of the at least one engaging slot structure (2A).

27. The carrycot (100) of claim 26, characterized in that the mounting bracket (20) is partially embedded into the carrycot body (10).

28. The carrycot (100) of claim 26, characterized in that an upper edge (210) of the mounting bracket (20) is embedded into the carrycot body (10).

29. The carrycot (100) of claim 26, characterized in that the carrycot body (10) covers an upper edge (210) of the mounting bracket (20).

30. The carrycot (100) of claim 26, characterized in that at least one rib (230) protrudes from a surface of the mounting bracket (20) cooperating with the carrycot body (10), and the at least one rib (230) is embedded into the carrycot body (10).

31. The carrycot (100) of claim 26, characterized in that the mounting bracket (20) is made of Polypropylene (PP).

32. The carrycot (100) of claim 26, characterized in that the carrycot body (10) is

made of Expanded Polystyrene (EPS), Expanded Polypropylene (EPP), Expanded Polyolefin (EPO), or Expanded Polyethylene (EPE).

33. The carrycot (100) of claim 26, characterized in that a wall thickness of a wall of the carrycot body (10) extending along a longitudinal direction of the carrycot body (10) is greater than a wall thickness of a wall of the carrycot body (10) extending along a transverse direction of the carrycot body (10).

34. The carrycot (100) of claim 26, characterized in that at least one through hole (15) is on the carrycot body (10).

35. The carrycot (100) of claim 34, characterized in that the at least one through hole (15) is located on a lateral wall or a bottom wall of the carrycot body (10).

36. The carrycot (100) of claim 26, further characterized by:
a second connecting assembly (22) disposed on the mounting bracket (20) and for detachably connecting the carrycot (100) to a second carrier frame different from the first carrier frame.

37. The carrycot (100) of claim 36, characterized in that the second connecting assembly (22) comprises a plurality of fixing blocks (221) and a plurality of engaging components (223), the plurality of fixing blocks (221) protrude from the mounting bracket (20), each of the plurality of engaging components (223) is disposed between corresponding two of the plurality of fixing blocks (221) and for detachably engaging with the second carrier frame, and each of the plurality of fixing blocks (221) is for guiding the corresponding engaging component (223) to detachably engage with the second carrier frame.