{CLAIMS}

~~1. A label comprising:~~
~~a label substrate; and~~
~~an adhesive layer applied to a rear surface of the label substrate, wherein~~
~~a carbon dioxide absorbent is added to at least any one of the label substrate and the adhesive layer.~~

~~2. A label comprising:~~
~~a label substrate; and~~
~~an adhesive layer applied to a rear surface of the label substrate, wherein~~
~~a carbon dioxide absorbent layer is laminated on at least any one of the label substrate and the adhesive layer.~~

~~3. A label comprising:~~
~~a label substrate;~~
~~an adhesive layer applied to a rear surface of the label substrate; and~~
~~a backing paper temporarily attached to the adhesive layer, wherein~~
~~a carbon dioxide absorbent is added to at least any one of the label substrate, the adhesive layer and the backing paper.~~

~~4. The label according to any one of claims 1 to 3, wherein the carbon dioxide absorbent is particulate.~~

~~5. The label according to claim 4, wherein the carbon dioxide absorbent is particulate to nanometer in size.~~

~~6. The label according to any one of claims 1 to 3, wherein the carbon dioxide absorbent is uniformly dispersed.~~

~~7. A carbon dioxide reduction method using a label, the method comprising:~~

preparing a label comprising a label substrate and an adhesive layer applied to a rear surface of the label substrate, in which a carbon dioxide absorbent is added to at least any one of the label substrate and the adhesive layer; and

incinerating the label to allow the carbon dioxide absorbent to absorb carbon dioxide.

8. A carbon dioxide reduction method using a label, the method comprising:

preparing a label having a label substrate and an adhesive layer applied to a rear surface of the label substrate, in which a carbon dioxide absorbent layer is laminated on at least any one of the label substrate and the adhesive layer; and

incinerating the label to allow a carbon dioxide absorbent of the carbon dioxide absorbent layer to absorb carbon dioxide.

9. A carbon dioxide reduction method using a label, the method comprising:

preparing a label having a label substrate, an adhesive layer applied to a rear surface of the label substrate and a backing paper temporarily attached to an adhesive layer, in which a carbon dioxide absorbent is added to at least any one of the label substrate, the adhesive layer and the backing paper; and

incinerating at least any one of the label substrate, the adhesive layer and the backing paper to allow the carbon dioxide absorbent to absorb carbon dioxide.

10. A top layer material formed on a printing medium for performing printing on a printing medium, to which a carbon dioxide absorbent added.

11. A top layer material formed on a printing medium for performing printing on a printing medium, comprising a carbon dioxide absorbent layer.

12. (Amended) The top layer material formed on a printing medium according to claim 10 or 11, wherein the carbon dioxide absorbent is particulate.

13. The top layer material formed on a printing medium according to claim 12, wherein the carbon dioxide absorbent is particulate to nanometer in size.

~~14. (Amended) The top layer material formed on a printing medium according to claim 10 or 11, wherein the carbon dioxide absorbent is uniformly dispersed.~~

~~15. (Amended) The top layer material formed on a printing medium according to claim 10, wherein the top layer material is a thermal transfer ink ribbon, and the carbon dioxide absorbent is added to any layer of the thermal transfer ink ribbon.~~

~~16. (Amended) The top layer material formed on a printing medium according to claim 11, wherein the top layer material is a thermal transfer ink ribbon, and the carbon dioxide absorbent layer is laminated on any layer of the thermal transfer ink ribbon.~~

~~17. A carbon dioxide reduction method using a top layer material formed on a printing medium, the method comprising:~~

~~preparing a top layer material for performing printing on a printing medium, to which a carbon dioxide absorbent is added; and~~

~~incinerating the top layer material to allow the carbon dioxide absorbent to absorb carbon dioxide.~~

~~18. A carbon dioxide reduction method using a top layer material formed on a printing medium, the method comprising:~~

~~preparing a top layer material for performing printing on a printing medium, comprising a layer of a carbon dioxide absorbent; and~~

~~incinerating the top layer material to allow the carbon dioxide absorbent to absorb carbon dioxide.~~

~~19~~1. An information-bearing medium comprising a medium body and capable of bearing information on the medium body, wherein ~~a carbon dioxide absorbent is added to the medium body~~

the medium body has a structure including at least two layers, and

a carbon dioxide absorbent, which absorbs carbon dioxide during incineration of the information-bearing medium, is added to any one of the layers.

2. An information-bearing medium comprising a medium body and capable of bearing information on the medium body, wherein ~~a carbon dioxide absorbent is added to the medium body~~

the medium body has a structure including at least two layers, and

a layer of a carbon dioxide absorbent, which absorbs carbon dioxide during incineration of the information-bearing medium, is laminated on any one of the layers.

~~20. An information-bearing medium having a medium body and capable of bearing information on the medium body, wherein the medium body has a layer of a carbon dioxide absorbent.~~

~~21. (Amended) The information-bearing medium according to claim 19 or 20, wherein the carbon dioxide absorbent is particulate.~~

~~22. (Amended) The information-bearing medium according to claim 21, wherein the carbon dioxide absorbent is particulate to nanometer in size.~~

~~23. (Amended) The information-bearing medium according to claim 19 or 20, wherein the carbon dioxide absorbent is uniformly dispersed.~~

~~24. (Amended) The information-bearing medium according to claim 19, wherein the medium body has an at least two-layer structure and the carbon dioxide absorbent is added to at least any layer.~~

~~25. (Amended) The information-bearing medium according to claim 20, wherein the medium body has an at least two-layer structure and the layer of a carbon dioxide absorbent is laminated on at least any one of the layers.~~

~~26~~3. ~~(Amended)~~ The information-bearing medium according to claim ~~19~~ 1 or claim ~~20~~2, wherein the information-bearing medium ~~body~~ is a thermal paper.

~~274~~. The information-bearing medium according to claim ~~263~~, wherein the carbon dioxide absorbent is added to a heat-sensitive color-forming layer of the thermal paper.

5. The information-bearing medium according to claim 1 or claim 2, wherein the information-bearing medium is a thermal paper,

wherein the thermal paper is formed by laminating a heat-sensitive color-forming layer on the medium body composed of a paper material, and

wherein the carbon dioxide absorbent is added to the heat-sensitive color-forming layer.

6. The information-bearing medium according to claim 1 or 2, wherein the information-bearing medium is a thermal paper,

wherein the thermal paper is formed by laminating a heat-sensitive color-forming layer on the medium body composed of a plastic material, and

wherein the carbon dioxide absorbent is added to the heat-sensitive color-forming layer.

7. The information-bearing medium according to claim 1 or 2, wherein the information-bearing medium is used for a printer.

8. The information-bearing medium according to any one of claims 1 to 7, wherein the carbon dioxide absorbent is particulate.

9. The information-bearing medium according to claim 8, wherein the carbon dioxide absorbent is particulate to nanometer in size.

10. The information-bearing medium according to any one of claims 1 to 9, wherein the carbon dioxide absorbent is uniformly dispersed.

11. The information-bearing medium according to any one of claims 1 to 10, wherein the carbon dioxide absorbent is added at a mixing ratio of 0.01 weight % or

more and 0.10 weight % or less to the one of the layers to which the carbon dioxide absorbent is added.

~~28. The information-bearing medium according to claim 27, wherein the carbon dioxide absorbent is added to a dye, a developer or a stabilizer constituting the heat-sensitive color-forming layer.~~

~~29~~12. A carbon dioxide reduction method using an information-bearing medium, the method comprising:

preparing an information-bearing medium having a medium body with a structure including at least two layers, wherein ~~in which~~ a carbon dioxide absorbent is added to ~~a~~ any one of the layers of the medium body capable of bearing information; and

incinerating the information-bearing medium to allow the carbon dioxide absorbent to absorb carbon dioxide.

~~30~~13. A carbon dioxide reduction method using an information-bearing medium, the method comprising:

preparing an information-bearing medium having a medium body with a structure including at least two layers, wherein ~~in which~~ a layer of a carbon dioxide absorbent is laminated on ~~a~~ any one of the layers of the medium body capable of bearing information; and

incinerating the information-bearing medium to allow the carbon dioxide absorbent to absorb carbon dioxide.

14. The carbon dioxide reduction method according to claim 12, wherein the carbon dioxide absorbent is added at a mixing ratio of 0.01 weight % or more and 0.10 weight % or less to the one of the layers to which the carbon dioxide absorbent is added.

15. A label comprising:

a label substrate; and

an adhesive layer applied to a rear surface of the label substrate, wherein

a carbon dioxide absorbent, which absorbs carbon dioxide during incineration of the label, is added to at least any one of the label substrate and the adhesive layer.

16. A label comprising:
a label substrate; and
an adhesive layer applied to a rear surface of the label substrate, wherein
a layer of a carbon dioxide absorbent, which absorbs carbon dioxide during incineration of the label, is laminated on at least any one of the label substrate and the adhesive layer.

17. A label comprising:
a label substrate formed of a paper material; and
an adhesive layer applied to a rear surface of the label substrate, wherein
a carbon dioxide absorbent, which absorbs carbon dioxide during incineration of the label, is added to the adhesive layer.

18. A label comprising:
a label substrate;
an adhesive layer applied to a rear surface of the label substrate; and
a backing paper temporarily attached to the adhesive layer, wherein
a carbon dioxide absorbent, which absorbs carbon dioxide during incineration of the label, is added to any one of the label substrate, the adhesive layer and the backing paper.

19. The label according to any one of claims 15 to 18, wherein the label is used for a printer.

20. The label according to any one of claims 15 to 19, wherein the carbon dioxide absorbent is particulate.

21. The label according to claim 20, wherein the carbon dioxide absorbent is particulate to nanometer in size.

22. The label according to any one of claims 15 to 21, wherein the carbon dioxide absorbent is uniformly dispersed.

23. The label according to any one of claims 15 to 22, wherein the carbon dioxide absorbent is added at a mixing ratio of 0.01 weight % or more and 0.10 weight % or less to the one of the label substrate and the adhesive layer to which the carbon dioxide absorbent is added.

24. A carbon dioxide reduction method using a label, the method comprising:

preparing a label comprising a label substrate and an adhesive layer applied to a rear surface of the label substrate, in which a carbon dioxide absorbent is added to any one of the label substrate and the adhesive layer; and

incinerating the label to allow the carbon dioxide absorbent to absorb carbon dioxide.

25. A carbon dioxide reduction method using a label, the method comprising:

preparing a label having a label substrate and an adhesive layer applied to a rear surface of the label substrate, in which a carbon dioxide absorbent layer is laminated on any one of the label substrate and the adhesive layer; and

incinerating the label to allow a carbon dioxide absorbent of the carbon dioxide absorbent layer to absorb carbon dioxide.

26. The carbon dioxide reduction method using the label according to claim 24, wherein the carbon dioxide absorbent is added at a mixing ratio of 0.01 weight % or more and 0.10 weight % or less to the one of the label substrate and the adhesive layer to which the carbon dioxide absorbent is added.

27. A thermal transfer ink ribbon used for printing on a printing sheet, wherein a carbon dioxide absorbent is added to any one of layers of the thermal transfer ink ribbon, wherein the thermal transfer ink ribbon does not include, in an ink receiving layer thereof, zeolite into whose structure an antibacterial ion is taken.

28. A thermal transfer ink ribbon used for printing on a printing sheet, wherein a layer of a carbon dioxide absorbent is laminated on any one of layers of the thermal transfer ink ribbon, wherein the thermal transfer ink ribbon does not include, in an ink receiving layer thereof, zeolite into whose structure an antibacterial ion is taken.

29. The thermal transfer ink ribbon according to claim 27 or 28, including a film layer and a thermal transfer ink layer.

30. The thermal transfer ink ribbon according to claim 27 or 28, including a back coat layer, a film layer, an anchor coat layer and a thermal transfer ink layer.

31. The thermal transfer ink ribbon according to claim 29 or 30, wherein the carbon dioxide absorbent is added to the thermal transfer ink layer.

32. The thermal transfer ink ribbon according to claim 29 or 30, wherein the carbon dioxide absorbent is added to the film layer.

33. The thermal transfer ink ribbon according to claim 30, wherein the carbon dioxide absorbent is added to the back coat layer.

34. The thermal transfer ink ribbon according to claim 30, wherein the carbon dioxide absorbent is added to the anchor coat layer.

35. The thermal transfer ink ribbon according to claim 29 or 30, wherein the film layer has a thickness of 4.5 to 6 μm.

36. The thermal transfer ink ribbon according to any one of claims 27 to 35, wherein the thermal transfer ink ribbon is used for a printer.

37. The thermal transfer ink ribbon according to any one of claims 27 to 36, wherein the carbon dioxide absorbent is particulate.

38. The thermal transfer ink ribbon according to claim 37, wherein the carbon dioxide absorbent is particulate to nanometer in size.

39. The thermal transfer ink ribbon according to any one of claims 27 to 38, wherein the carbon dioxide absorbent is uniformly dispersed.

40. The thermal transfer ink ribbon according to any one of claims 27 to 39, wherein the carbon dioxide absorbent is added at a mixing ratio of 0.01 weight % or more and 0.10 weight % or less to the one of the layers to which the carbon dioxide absorbent is added.

~~29~~41. A carbon dioxide reduction method using a thermal transfer ink ribbon~~an information-bearing medium~~, the method comprising:

preparing a thermal transfer ink ribbon used for printing on a printing sheet, the thermal transfer ink ribbon including ~~an information-bearing medium in which~~ a carbon dioxide absorbent in any one of layers of the thermal transfer ink ribbon~~is added to a medium body capable of bearing information~~; and

incinerating the thermal transfer ink ribbon ~~information-bearing medium~~ to allow the carbon dioxide absorbent to absorb carbon dioxide.

~~30~~42. A carbon dioxide reduction method using a thermal transfer ink ribbon~~an information-bearing medium~~, the method comprising:

preparing a thermal transfer ink ribbon used for printing on a printing sheet, wherein ~~an information-bearing medium in which~~ a layer of a carbon dioxide absorbent is laminated on any one of layers of the thermal transfer ink ribbon~~a medium body capable of bearing information~~; and

incinerating the thermal transfer ink ribbon ~~information-bearing medium~~ to allow the carbon dioxide absorbent to absorb carbon dioxide.

43. The carbon dioxide reduction method using a thermal transfer ink ribbon according to claim 41, wherein the carbon dioxide absorbent is added at a mixing ratio of

0.01 weight % or more and 0.10 weight % or less to the one of layers to which the carbon dioxide absorbent is added.

~~31. A wristband clip for fastening a wristband annularly wound, in which a plurality of band holes are formed on both ends in a longitudinal direction at regular intervals, wherein the wristband clip contains a carbon dioxide absorbent.~~

~~32. (Amended) The wristband clip according to claim 31, comprising:~~

~~a male clip on which a pair of bosses are formed corresponding to the intervals of the band holes of the wristband; and~~

~~a female clip on which a pair of boss holes through which the pair of bosses are inserted are formed, wherein~~

~~the bosses are fitted into the boss holes via the band holes in a state where both ends of the wristband are overlaid each other, thereby fastening the wristband annularly wound, and~~

~~the bosses and the boss holes have a shape capable of joining the male clip and the female clip.~~

~~33. (Amended) The wristband clip according to claim 31, wherein~~

~~the boss comprising:~~

~~a shaft portion provided on the male clip in a protruding manner;~~

~~a first radially-enlarged portion which is formed so as to radially protrude from the center shaft of the shaft portion;~~

~~a second radially-enlarged portion which is formed on a tip of the boss and which has a smaller diameter than the first radially-enlarged portion; and~~

~~a constricted portion which is formed between the first radially-enlarged portion and the second radially-enlarged portion, and has a smaller diameter than the first radially-enlarged portion and the second radially-enlarged portion.~~

~~34. (Amended) The wristband clip according to claim 31, wherein the wristband clip is formed from polyethylene.~~

~~35. (Amended) The wristband clip according to claim 31, wherein the carbon dioxide absorbent is particulate.~~

~~36. (Amended) The wristband clip according to claim 31, wherein the carbon dioxide absorbent is particulate to nanometer in size.~~

~~37. (Amended) The wristband clip according to claim 31, wherein the carbon dioxide absorbent is uniformly dispersed.~~

~~38. (Amended) A carbon dioxide reduction method using a wristband clip, the method comprising:~~

~~preparing the wristband clip according to any one of claims 31 to 37; and~~

~~incinerating the wristband clip to allow the carbon dioxide absorbent to absorb carbon dioxide.~~

~~39. The label according to any one of claims 1 to 3, wherein the carbon dioxide absorbent is sodium aluminosilicate.~~

~~40. The label according to claim 39, wherein the sodium aluminosilicate is encapsulated in a phospholipid.~~

~~41. (Amended) The label according to claim 39, wherein the sodium aluminosilicate is contained in a liposome.~~

~~42. The top layer material according to claim 10 or 11, wherein the carbon dioxide absorbent is sodium aluminosilicate.~~

~~43. The top layer material according to claim 42, wherein the sodium aluminosilicate is encapsulated in a phospholipid.~~

~~44. (Amended) The top layer material according to claim 42, wherein the sodium aluminosilicate is contained in a liposome.~~

~~45. The information-bearing medium according to claim 19 or 20, wherein the carbon dioxide absorbent is sodium aluminosilicate.~~

~~46. The information-bearing medium according to claim 45, wherein the sodium aluminosilicate is encapsulated in a phospholipid.~~

~~47. (Amended) The information-bearing medium according to claim 45, wherein the sodium aluminosilicate is contained in a liposome.~~

~~48. The wristband clip according to claim 31, wherein the carbon dioxide absorbent is sodium aluminosilicate.~~

~~49. The wristband clip according to claim 48, wherein the sodium aluminosilicate is encapsulated in a phospholipid.~~

~~50. (Amended) The wristband clip according to claim 48, wherein the sodium aluminosilicate is contained in a liposome.~~

~~51. (Added) A label comprising:~~
~~a label substrate; and~~
~~an adhesive layer applied to a rear surface of the label substrate, wherein~~
~~a carbon dioxide absorbent is added to the adhesive layer.~~

~~52. (Added) A method for manufacturing a label, the method comprising:~~
~~a step of mixing at least a carbon dioxide absorbent, a dispersion aid and water with a dispersion treatment to obtain a solution containing a liposome encapsulating the carbon dioxide absorbent; and~~
~~a step of adding the solution to an adhesive and laminating the adhesive on a substrate.~~

~~53. (Added) The method for manufacturing a label according to claim 52, wherein the dispersion treatment is a supercritical treatment.~~

~~54. (Added) The method for manufacturing a label according to claim 53, wherein the carbon dioxide absorbent is amorphous aluminosilicate, and the dispersion aid is phosphatidylcholine or sodium polyacrylate.~~

~~55. (Added) A method for manufacturing a top layer material formed on a printing medium for performing printing on a printing medium, the method comprising: a step of mixing at least a carbon dioxide absorbent, a dispersion aid and water with a dispersion treatment to obtain a solution containing a liposome encapsulating the carbon dioxide absorbent; and a step of adding the solution to a top layer material.~~

~~56. (Added) The method for manufacturing a top layer material formed on a printing medium according to claim 55, wherein the dispersion treatment is a supercritical treatment.~~

~~57. (Added) The method for manufacturing a top layer material formed on a printing medium according to claim 56, wherein the carbon dioxide absorbent is amorphous aluminosilicate, and the dispersion aid is phosphatidylcholine or sodium polyacrylate.~~

~~58. (Added) A method for manufacturing an information-bearing medium, the method comprising: a step of mixing at least a carbon dioxide absorbent, a dispersion aid and water with a dispersion treatment to obtain a solution containing a liposome encapsulating the carbon dioxide absorbent; and a step of adding the solution to a medium body of an information-bearing medium.~~

~~59. (Added) The method for manufacturing an information-bearing medium according to claim 58, wherein the dispersion treatment is a supercritical treatment.~~

~~60. (Added) The method for manufacturing an information-bearing medium according to claim 59, wherein~~

~~the carbon dioxide absorbent is amorphous aluminosilicate, and~~

~~the dispersion aid is phosphatidylcholine or sodium polyacrylate.~~

~~61. (Added) A wristband clip for fastening a wristband annularly wound, the wristband clip containing a carbon dioxide absorbent.~~

~~62. (Added) A method for manufacturing a wristband clip for fastening a wristband annularly wound, the method comprising:~~

~~a step of mixing at least a carbon dioxide absorbent, a dispersion aid and water with a dispersion treatment to obtain a solution containing a liposome encapsulating the carbon dioxide absorbent; and~~

~~a step of adding the solution to a wristband clip.~~

~~63. (Added) The method for manufacturing a wristband clip according to claim 62, wherein the dispersion treatment is a supercritical treatment.~~

~~64. (Added) The method for manufacturing a wristband clip according to claim 63, wherein the carbon dioxide absorbent is amorphous aluminosilicate, and the dispersion aid is phosphatidylcholine or sodium polyacrylate.~~