CLAIMS

1. A cartridge containing a liquid and configured to be mountable to a mounting portion provided with a liquid receiving tube and a plurality of electrical connecting portions, the liquid being usable for image formation or processing of a recording material by being applied to the recording material, the cartridge comprising:

a first portion including an outwardly facing surface and provided with an inserting portion into which the liquid receiving tube is capable of being inserted;

a second portion opposite from said first portion; and

a third portion connecting said first portion and said second portion with each other and provided with a plurality of pad electrodes configured to be electrically connectable with said electrical connecting portions,

wherein said cartridge is configured to be mountable to the mounting portion by being inserted into said mounting portion in an inserting direction with said first portion at a leading side, and

wherein said pad electrodes are configured to be electrically connectable with the electrical connecting portions by being moved in a direction different from the inserting direction; characterized in that the movement in the different direction includes a rotation of said cartridge about a rotational axis which is along the inserting direction.

2. A cartridge according to Claim 1, wherein said pad electrodes include respective electrical contact points configured to be electrically connectable with the electrical connecting portions, and a direction in which the electrical contact points are arranged crosses with a moving direction of said pad electrodes.

3. A cartridge according to Claim 1, wherein said pad electrodes include respective electrical contact points configured to be electrically connectable with the electrical connecting portions, and a direction in which the electrical contact points are arranged is perpendicular to a moving direction of said pad electrodes.

4. A cartridge according to Claim 1, wherein said second portion has a portion having a relatively large diameter, and said first portion has a portion having a relatively small diameter, and wherein said pad electrodes are provided on the portion having the relatively small diameter.

5. A cartridge according to Claim 1, wherein said third portion is provided with a projected portion, on which said pad electrodes are provided.

6. A cartridge according to Claim 1, wherein a space is provided below said pad electrodes.

7. A cartridge according to Claim 1, wherein said third portion is provided with a projected portion, on which said pad electrodes are provided, and wherein a space is provided below said pad electrodes.

8. A cartridge according to Claim 1, wherein said third portion is provided with a guide portion configured to rotate said cartridge.

9. A cartridge according to Claim 8, wherein said guide portion includes a groove.

10. A cartridge according to Claim 9, wherein said groove has a screw-shape.

11. A cartridge according to Claim 1, wherein said third portion is provided with a guide portion extending in a direction crossing with a direction from said first portion to said second portion.

12. A cartridge according to Claim 11, wherein said guide portion includes a groove.

13. A cartridge according to Claim 12, wherein said groove has a screw-shape.

14. A cartridge according to Claim 11, wherein said pad electrodes have areas which are arranged so as to be crossed by a line inclined with respect to a direction in which said guide portion extends.

15. A cartridge according to Claim 11, wherein said pad electrodes have areas which are arranged so as to be crossed by a line inclined by not less than 60°and not more than 85°with respect to a direction in which said guide portion extends.

16. A cartridge according to Claim 11, wherein said second portion has a portion having a relatively large diameter, and said first portion has a portion having a relatively small diameter, and wherein said pad electrodes are provided on the portion having the relatively small diameter.

17. A cartridge according to Claim 11, wherein said third portion is provided with a projected portion, on which said pad electrodes are provided.

18. A cartridge according to Claim 11, wherein a space is provided below said pad electrodes.

19. A cartridge according to Claim 11, wherein said third portion is provided with a projected portion, on which said pad electrodes are provided, and wherein a space is provided below said pad electrodes.

20. A cartridge according to Claim 18, wherein said space has a height of not less than 1 mm and not more than 5 mm.

21. A cartridge according to Claim 11, wherein said guide portion extends in a direction inclined by not less than 50°and not more than 80°relative to a direction from said first portion to said second portion.

22. A cartridge according to Claim 11, wherein the direction from said first portion to said second portion is along a longitudinal direction of said cartridge.

23. A cartridge according to Claim 11, wherein said cartridge has a generally cylindrical shape.

24. A cartridge according to Claim 11, further comprising a casing including the first portion and the second portion, wherein said casing has a two-layer structure including an outer layer and an inner layer, and the liquid is accommodated inside the inner layer.

25. A cartridge according to Claim 11, wherein said pad electrodes are disposed at positions away from said first portion by not less than 5 mm and not more than 25 mm as measured in a direction parallel with the direction from said first portion to said second portion.

26. A recording apparatus comprising said cartridge according to claim 1.