

CARTRIDGE, PRINTING MATERIAL SUPPLY SYSTEM, PRINTING
APPARATUS~~DEVICE~~, LIQUID ACCOMMODATION~~STORAGE~~ CONTAINER, A
PRINTING SYSTEM, AND A TERMINAL CONNECTION STRUCTURE

BACKGROUND

1. Technical Field

[0001]

The present invention relates to a cartridge which accommodates a printing material therein, a printing material supply system which includes a cartridge and a printing apparatus, and printing apparatus to which the cartridge is detachably mounted.

2. Related Art

[0002]

A printer which is an example of a printing apparatus has a cartridge that accommodates ink therein and is detachably mounted thereto, and performs printing by supplying the ink from the cartridge to a printing head. Recently, a cartridge in which a circuit board that stores information regarding ink (for example, the color of ink) is mounted is used (for example, JP-A-2003-341100, JP-A-2007-230249, Specification of US Patent No. 6203147, JP-T-2002-505212, and JP-T-2002-513341). The circuit board mounted in the cartridge includes a storage device that stores the information regarding the ink and a terminal group (also

23. The terminal connection structure according to claim 22,

wherein the restriction portion is positioned above the terminal in the state of being mounted to the printing apparatus.

24. The terminal connection structure according to either one of claims 22 and 23,

wherein a surface provided with the restriction portion is different from a surface provided with the terminal.

25. The terminal connection structure ~~liquid accommodation container~~ according to any one of claims 22 to 24,

wherein the terminal is provided in a surface which is open in an upward direction in the state of being mounted to the printing apparatus.

26. The terminal connection structure ~~liquid accommodation container~~ according to any one of claims 22 to 25,

wherein the restriction portion has a contact part which comes into contact with the positioning portion in the state of being mounted to the printing apparatus and an

entrance part which is tilted with respect to the contact part.

27. The terminal connection structure according to any one of claims 22 to 26, further comprising:

a side wall having a surface provided with the restriction portion; and

a bottom wall having a tilted surface provided with the ~~liquid accommodation container side terminal~~,

wherein a concave portion is formed in the bottom wall between the side wall and the tilted surface.