

CLAIMS

1. A device including an antenna (3) connected to contact pads (5, 6), said device comprising a substrate and an antenna provided with connection terminal sections (7b, 8b) resting on the substrate (2, 2b, 2f, 15);

said antenna being connected by a soldering (38) to a soldered face of the contact pads (5, 6);

each of said contact pads having a surface (40) facing a respective connection terminal section (7b, 8b) of the antenna;

said device being characterised in that each of the contact pads bears a soldering mark (30) on a face opposite from said soldered face.

2. A device according to claim 1, characterised in that the antenna (3) is made by embroidery or sewing on a flexible support (2f) including a woven fabric, and in that it further includes a reinforcing material (15) in the form of a sheet or a layer on a face of the substrate that is opposite from the face carrying the terminal sections.

3. A device according to claim 1 or claim 2, characterised in that it further includes a cavity (26) in the substrate and/or in the reinforcing sheet or layer in the vicinity of the connection terminal sections of the antenna.

4. A device according to claim 3, characterised in that contact pads are associated with a microcircuit (20) and facing the substrate and terminal sections of the antenna resting on the substrate, while the microcircuit is inserted at least partially into the cavity (26).

5. A device according to claim 1 or claim 4, characterised in that each of the contact pads bears a soldering mark (30) across it on its face opposite from its soldered one.

6. A device according to claim 2, characterised in that it is provided with perforations (17) in the reinforcing material, a respective one of the perforations (17) facing each connected terminal section.

7. A device according to any one of claims 1 to 6, characterised in that the antenna is a hybrid wire (22) associated with at least one non-conductive wire.

8. A device according to claim 7, characterised in that the non-conductive wire is a thermo-fusible wire or a thermoplastic wire.

9. A radio frequency communications electronic product, such as a contactless chip card or a passport including the device according to any one of claims 1 to 8.

10. A device according to any one of claims 1 to 8, wherein each of said contact pads has a width of at least twice a cross-sectional width of the respective connection terminal section (7b, 8b) of the antenna.