Claims

1. Arrangement having a plastic container (1) and having a flow-guiding component which has a casing (8),

characterized in that

the casing (8) is a pump casing which consists of a metallic material, wherein the casing (8) is connected in a form-fitting manner to the plastic container (1) by rotational sintering.

2. Arrangement according to Claim 1, characterized in that the casing (8) is surrounded at least partially by at least one wall (10) of the container (1), wherein the wall (10) is formed in one piece with the container (1).

3. Arrangement according to either of Claims 1 and 2, characterized in that the casing (8) is embedded into a wall (10) of the container (1), wherein the casing (8) is preferably embedded so as to be load-bearing, in particular so as to be load-bearing for a drive unit.

4. Arrangement according to one of Claims 1 to 3, characterized in that a wall (10) of the container (1) bears sealingly, in particular without a gap, against the casing (8).

5. Arrangement according to one of Claims 1 to 4, characterized in that movable components are arranged in the casing (8).

6. Arrangement according to one of Claims 1 to 5, characterized in that an impeller of a centrifugal pump is arranged in the casing (8).

7. Arrangement according to one of Claims 1 to 6, characterized in that a wall (13) of the container (1) forms a connector for entry of a medium into the casing (8), wherein the wall (13) is formed in one piece with the container (1).

8. Arrangement according to one of Claims 1 to 7, characterized in that a line element (11) for discharge of medium is arranged on the casing (8) and, by rotational sintering, is surrounded by a wall (12) of the container (1), wherein the wall (12) is formed in one piece with the container (1).

9. Method for producing an arrangement according to one of Claims 1 to 8,
comprising the following steps:
- arranging a pump casing (8) of a flow-guiding component in a mould,
- causing plastic particles to bear against the mould and the pump casing (8) by rotation
- melting and solidifying the plastic particles on the mould and the pump casing.