

CLAIMS

1. A medical container (100) comprising a distal tip (102) and an adaptor (1), said adaptor (1) comprising:

a distal part (2) configured to receive a connector, and
a proximal part (4) configured to be mounted onto the distal tip (102) of the medical container (100),

wherein the proximal part (4) comprises an inner ring (40) protruding from a lateral tubular wall (6) of the adaptor (1), said inner ring (40) having an inner edge (42) that delimits an opening configured to receive the distal tip (102), and

wherein the proximal part (4) further comprises several gripping members (50) made of an elastomer material, each of said gripping member (50) being in the form of a partial sleeve connected to the inner edge (42) of the inner ring (40) in order to be in contact with an outer surface of the distal tip (102) when the adaptor (1) is mounted onto the medical container (100), and

wherein the inner ring (40) comprises a protrusion (44) or a recess, preferably a protrusion (44), that engages a complementarily shaped recess (54) or protrusion, preferably a recess (54), provided on the elastomer gripping member (50) in order to secure said elastomer gripping member (50) to the inner ring (40),

wherein the adjacent gripping members (50) delimit gaps (48), the distal tip (102) or the inner edge (42) comprising bumps configured for allowing the inner edge (42) of the inner ring (40) to be in contact with the outer surface of the distal tip (102) at the gaps (48) when the adaptor (1) is mounted onto the medical container (100).

2. The adaptor (1) according to the preceding claim, wherein the inner ring (40) comprises a distal and a proximal abutment surface (46a, 46b) abutting against the gripping member (50) in order to secure said elastomer gripping member (50) in a longitudinal direction (A) of the adaptor (1).

3. The adaptor (1) according to any of the preceding claim, wherein said protrusion (44) or recess has a dovetail shape.

4. The adaptor (1) according to any of the preceding claims, wherein the elastomer gripping member (50) comprises a free distal lip (52).

5. The adaptor (1) according to any of the preceding claims, wherein the gripping member (50) is over-molded or co-injection molded.

6. The adaptor (1) according to any of the preceding claims, wherein the elastomer material of the gripping member (50) is rubber or thermoplastic elastomer (TPE).

7. The adaptor (1) according to any the preceding claims, wherein the gripping member (50) is in the form of a 360° extending sleeve.

8. A method for manufacturing an adaptor (1) according to any of claims 1 to 7, wherein the gripping member (50) is overmolded or co-injection molded.

9. A method according to the preceding claim, wherein the adaptor (1) is formed in a two-shot injection molding.