CLAIMS

1. A device for positioning of a stent within coronary arteries, characterized in that it comprises a housing (1) with a through hole for placing a coronary stent delivery system, said housing comprising a truncated front part (2) with recesses (4) for the operator's arm fingers and a pressure surface (21), and a cylindrical rear part (8) connected to the front part (2) and provided with a circumferential thread in contact with a protrusion (12) on a runner (11) arranged inside the cylindrical rear part (8) so as to be displaceable along guides (5) inside the housing,

characterized in that the pressure surface (21) is on the outer lateral surface of the housing, the cylindrical rear part (8) is connected to the front part (2) rotatably relative to the front part and is displaceable also by means of a bushing (24) connected to a gripping means (15) provided with flaps (26) with elastic members at the gripping point of the delivery system on the bushing side and with protrusions (25) provided on the opposite side and arranged within a pressure roller (18) comprising two halves and contacting a release means inner surface arranged inside the housing and comprising flaps (22) in the forms of plates arranged at an angle to each other and to the pressure roller and fixedly connected to the release means (20) having a pressure surface (21) in the form of plates on an outer lateral surface of the truncated part of the housing.

2. The device according to claim 1, characterized in that the runner (11) is provided with a number of protrusions (12) contacting an internal thread (10) of the cylindrical rear part (8) of the housing.

3. The device according to claim 1, characterized in that the housing (1) is formed of plastic, wherein its surface contacting the operator's arm fingers is pebbled.

4. The device according to claim 1, characterized in that the device is provided with a delivery system fixed therein in advance and carrying a stent.

5. The device according to claim 1, characterized in that a hollow tube is inserted therein in advance for placing a delivery system carrying a stent.