

CLAIMS

1. A device for positioning of a coronary stent within coronary arteries, which comprises a housing with a through hole for placing a coronary stent delivery system, said housing comprising a truncated portion of front part with recesses for operator's arm fingers and a rear cylindrical part, a rear cylindrical part connected to a front part, characterized in that the rear cylindrical part is rotatably relative to the front part, and provided with a circumferential thread in contact with a protrusion on guides arranged inside the cylindrical part so as to be displaceable along the guides inside the housing with two flaps with elastic elements at the capture area of the stent delivery system, where one flap is an elastic flap and has a protrusion, and the other is a rigid flap; there is a release mechanism in the front part of the housing, which may contact a pressure surface of a gripping means and the protrusion of the elastic flap, the outer part of which is a pressure plate placed on the outer side of the housing, and the internal part is made in the form of flaps and placed inside the housing on the side opposite to the pressure surface.
2. The device, according to claim 1, is characterized in that the housing is formed of plastic, wherein its surface contacting the operator's arm fingers is pebbled.
3. The device, according to claim 1, is characterized in that the device is provided with a delivery system fixed therein in advance and carrying a stent.
4. The device, according to claim 1, is characterized in that the device is provided with an empty tube aimed at placement of the delivery system carrying a stent.
5. A device for positioning of a coronary stent within coronary arteries, comprising a housing with a through hole for placing a coronary stent delivery system, a gripping means with flaps and a release mechanism with pressure surface characterized in that when the coronary stent delivery system is placed in the housing, the pressure surface of the release mechanism, which inside part placed inside the housing on the side opposite to the pressure surface, and comprising flaps contacts the gripping means pressure surface placed in the rear cylindrical part of the housing having two flaps on the outer side of the housing is pressed; one of such flaps is an elastic flap and has a protrusion, and the other is a rigid flap displacing the elastic flap protrusion and forming the hole, in which the delivery system is placed through holes on the front and rear sides of the housing; then the pressure surface is released, and the

coronary stent delivery system is fixed inside the housing of the device, and then by rotating the rear cylindrical part of the housing along circumference relatively the front part of the housing, the stent delivery system is moved along at a required distance with transformation of the rotational movement of the rear cylindrical part of the housing into the progressive movement as a result of gripping the gripping means protrusion placed on the gripping means guides with a thread on the internal surface of the rear cylindrical part of the housing.