

Apparatus for pulling and positioning an apparatus, e.g., a stent, in the target area of a lumen. In one embodiment, a cylindrically shaped motor has a longitudinal bore, a friction area within the longitudinal bore, and a guide wire disposed within the longitudinal bore. The guide wire and friction area of the motor are sized and adapted to contact each other and impart friction between the friction area and the guide wire to permit the motor to pull a catheter to the target area by crawling against the guide wire. In another embodiment, a cylindrical motor having a friction area on its outer surface is disposed within a guide tube.