

Abstract

A system for inserting a compressed, self-expandable stent (2) through a sluice (14) disposed on a blood vessel (12) into the blood vessel (12) and for releasing the stent (2) in the blood vessel (12), the system comprising a sluice (14) and a catheter (4), which comprises an inner tube (6), a middle tube (8) and an outer tube (10), wherein the stent (2) is disposed in a distal end portion of the catheter (4) between the inner tube (6) and the outer tube (10) and the middle tube (8) ends distally at the proximal end of the stent (2), and with an actuating unit (16) having a drive unit (18) provided in the proximal region of the catheter (4) for releasing the stent (2), characterised in that a connecting means (30) is provided between the drive unit (18) and the sluice (14), wherein the drive unit (18) is cooperating with the middle tube (8) and the connecting means (30) in such a way, that when the drive unit (18) is operated the middle tube (8) is displaced in the distal direction (39) and the actuating unit (16) together with the outer tube (10) attached thereto is displaced in the proximal direction (36), and wherein the inner tube (6) is cooperating with the middle tube (8) and/or the connecting means (30) in such a way that the inner tube (6) is displaced at least to some extent relative to the actuating unit (16).

(Fig. 1)