

Title (en)
ENDOSCOPE DEFLECTION USING A DISTAL FOLDING MECHANISM

Title (de)
ENDOSKOPDEFLECTING MIT DISTALEM ABKLAPPMEECHANISMUS

Title (fr)
DÉFLEXION ENDOSCOPIQUE COMPRENANT UN MÉCANISME RABATTABLE DISTAL

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Application
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Abstract (en)
[origin: WO2019211456A1] The invention relates to a folding mechanism (10) for foldably or bendably holding an endoscopy head (4) at the distal end of an endoscope (2), preferably an endoscope shaft, having a number of axially successive segments (16) which can be actively mutually angularly adjusted by means of at least one actuating element, which segments define, in the axial direction, at least one channel (14, 24, 26) for implementing minimally invasive surgical instruments, flushing media, supply lines and the like. The segments (16) are in the form of wedge-shaped cylinder sections having wedge-shaped mutually oriented end faces, as a result of which each cylinder section receives a cylinder lateral-face portion having a minimum axial length (18) and an opposite cylinder lateral-face portion having a maximum axial length (20), two directly adjacent segments (16) in each case being mutually oriented in such a way that they are axially supported on or axially abut the relevant cylinder lateral-face portions of maximum axial length (20), as a result of which hinge- or joint-contact occurs on the support or placement point (22).

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