

Title (en)
3D VIDEO ENDOSCOPE

Title (de)
3D-VIDEO-ENDOSKOP

Title (fr)
VIDÉO-ENDOSCOPE 3D

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Application
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Abstract (en)
[origin: WO2019029772A1] The invention relates to a 3D video endoscope with a shaft (2) formed as a flexible or rigid elongate hollow body with a longitudinal axis (3) running in the longitudinal direction, with a first image sensor (4) and a second image sensor (5), with a first optical channel (6), which comprises a first lens (7) at the distal end of the shaft and a first optical image-guiding system (8), which forwards the image captured by the first lens (7) to the first image sensor (4), and with a second optical channel (9), which comprises a second lens (10) at the distal end of the shaft and a second optical image-guiding system (11), which forwards the image captured by the second lens (10) to the second image sensor (5). The first optical channel (6) and the second optical channel (9) are arranged substantially in the shaft (2), with the first optical channel (6) being equipped with a first diaphragm (12) which reduces the aperture of the first optical channel (6) compared to the aperture of the second optical channel (9). Apart from the first diaphragm, the first optical channel and the second optical channel are of identical design.

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