

Title (en)
ANGLE-SELECTIVE OPTICAL SYSTEM, STEREO VIDEO ENDOSCOPE HAVING SUCH A SYSTEM, AND METHOD FOR PRODUCING SAME

Title (de)
WINKELSELEKTIVES OPTISCHES SYSTEM, STEREO-VIDEOENDOSKOP MIT EINEM SOLCHEN SYSTEM SOWIE VERFAHREN ZUM HERSTELLEN DESSELBEN

Title (fr)
SYSTÈME OPTIQUE À ANGLE SÉLECTIF, STÉRÉO-VIDÉO-ENDOSCOPE DOTÉ D'UN TEL SYSTÈME OPTIQUE, ET PROCÉDÉ DE FABRICATION DU SYSTÈME OPTIQUE

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Abstract (en)
[origin: WO2018065241A1] The invention relates to an optical system (20) of a stereo video endoscope (2) with a fixed lateral viewing direction, to a stereo video endoscope (2), and to a method for producing an optical system (20). The optical system (20) of the stereo video endoscope (2) with a fixed lateral viewing direction comprises a sideways-viewing distal optical assembly (24) and a proximal optical assembly (26) which together define a beam path. The optical system (20) also comprises an angle-selective optical element with a surface oriented perpendicular to the optical axis (22) of the distal optical assembly (24), wherein this surface, which is in the optical path, is coated with an incident-angle-selective dielectric coating (60, 60').

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