

Title (en)

CATHETER FOR MONITORING PERFUSION OF A TARGET TISSUE WITH A PPG SENSOR

Title (de)

KATHETER ZUR ÜBERWACHUNG DER PERFUSION EINES ZIELGEWEBES MIT EINEM PPG-SENSOR

Title (fr)

CATHETER DE MONITORAGE DE PERFUSION D'UN TISSU CIBLE AVEC CAPTEUR PPG

Publication

**EP 3843624 A1 20210707 (FR)**

Application

**EP 19740386 A 20190718**

Priority

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- EP 2019069340 W 20190718

Abstract (en)

[origin: WO2020016344A1] A catheter (1) for monitoring perfusion of a target tissue, the catheter (1) comprising a body (2) designed to be inserted into a tubular organ of a patient, the body (2) comprises a PPG sensor (3) equipped with at least one optical transmitter and one optical receiver so as to measure the perfusion of the target tissue by absorbance. The PPG sensor (3) is integrated in the body (2) of the catheter (1) through a flexible and sealed lining (4) overmoulding the PPG sensor, the PPG sensor (3) comprising means for maintaining the position of at least one optical transmitter relative to the position of the optical receiver that ensures consistency in the absorbance measurement parameters. Systems for monitoring the urethra and the oesophagus are also described.

IPC 8 full level

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