Title (en)

METHOD FOR CONTROLLING THE CAPACITY OF A PERISTALTIC PUMP AND PERISTALTIC PUMP

Title (de)

VERFAHREN ZUR STEUERUNG DER KAPAZITÄT EINER PERISTALTISCHEN PUMPE UND PERISTALTISCHE PUMPE

Title (fr)

PROCÉDÉ DE CONTRÔLE DU DÉBIT D'UNE POMPE PÉRISTALTIQUE ET POMPE PÉRISTALTIQUE

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Application

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Abstract (en)

[origin: WO2008055794A1] The invention relates to a method for controlling the capacity of a peristaltic pump including occluding means for compressing a flexible tube, forming at least one occlusion region that moves cyclically downstream from the upstream end of the pump. The occluding means include mobile compression means which compress the tube in the direction of a counter surface, said occluding means being actuated by control means placed on a rotation shaft. The invention also relates to a peristaltic pump used to carry out the method. The aim of the invention is to develop peristaltic pumps that suppress reverse flow without altering the speed of the motor. For this purpose, the occluding means in the most downstream part of the pump remain in the occluding position for a longer portion of the cycle than the occluding means in a more upstream part of the pump, preferably for longer than the compression means in the most upstream part of the pump.

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