

Title (en)
PERISTALTIC PUMP

Title (de)
PERISTALTISCHE PUMPE

Title (fr)
POMPE PERISTALTIQUE

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Application
EP 04738031 A 20040625

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Abstract (en)
[origin: US2007104599A1] The invention relates to a peristaltic pump in which a case is formed by a dimensionally stable supporting frame (1) and by a tube reception device (2) formed thereon by clipping. A rotor (3) provided with three rotatable transport rollers (33 a , 33 b , 33 c). Said tube reception device (2) is provided with a tube bearing body (25) which forms a bed for the tubes on the internal surface and comprises two legs (2 a , 2 b) on the ends thereof. The tube flexible sections (43) are compressed by said transport rollers (33 a , 33 b , 33 c) in order to ensure the peristaltic conveyance of a medium. The two legs (2 a , 2 b) are elastically deformable in a radial direction in order to be elastically adaptable on the supporting frame (1). The bearing body (25) is substantially omega-shaped and provided with uniform input and output areas which ensure a medium continuous low-pulsed peristaltic conveyance. The inventive pump is constructed in such a way that it is small-sized, comprises few spare parts and is rapidly and easily mounted.

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