

Title (en)
PERISTALTIC PUMP

Title (de)
PERISTALTISCHE PUMPE

Title (fr)
POMPE PERISTALTIQUE

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Application
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Abstract (en)
[origin: WO2005031166A1] 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 (33a, 33b, 33c). 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 (2a, 2b) on the ends thereof. The tube flexible sections (43) are compressed by said transport rollers (33a, 33b, 33c) in order to ensure the peristaltic conveyance of a medium. The two legs (2a, 2b) 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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