

Title (en)
Peristaltic pump

Title (de)
Peristaltische Pumpe

Title (fr)
Pompe péristaltique

Publication
EP 2098729 A1 20090909 (EN)

Application
EP 09154479 A 20090306

Priority
IT BO20080152 A 20080307

Abstract (en)
A peristaltic pump comprises a main body (2); a contact body (3) slidably connected to the main body (2) and having at least one "vaulted" inner wall (13) for at least partly forming a contact surface (14); a flexible tube (4) at least partly positioned inside the main body (2) for allowing the transit of a fluid from an intake section (5) to a delivery section (6); at least two rollers (10) positioned inside the main body (2) and able to move along a circular trajectory so as to press the tube (4) against the contact surface (14) and produce corresponding constrictions moving from the intake section (5) to the delivery section (6); the contact body (3) being able to move between a first position, in which the inner wall (13) is at its closest to the rollers (10), and a second position, in which the inner wall (13) is at its furthest from the rollers (10) and a tube (4) access compartment (15) is formed.

IPC 8 full level
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F04B 43/0018 (2013.01 - EP); **F04B 43/0072** (2013.01 - EP); **F04B 43/08** (2013.01 - EP); **F04B 43/12** (2013.01 - EP);
F04B 43/1276 (2013.01 - EP); **F04B 43/1284** (2013.01 - EP); **F04B 45/06** (2013.01 - EP US); **F04B 45/08** (2013.01 - EP US)

Citation (applicant)
• US 2005254978 A1 20051117 - HUBER WOLFGANG [DE], et al
• US 4925376 A 19900515 - KAHLER WILLIAM F [US]
• US 4558996 A 19851217 - BECKER HAROLD D [US]

Citation (search report)
• [XY] US 2005254978 A1 20051117 - HUBER WOLFGANG [DE], et al
• [XY] US 4925376 A 19900515 - KAHLER WILLIAM F [US]
• [XY] US 2004037724 A1 20040226 - HASER CHRISTIAN [DE], et al
• [X] DE 202006003464 U1 20060504 - SCHULTE TRANSPORTSYSTEME GMBH [DE]
• [Y] US 4558996 A 19851217 - BECKER HAROLD D [US]

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