

(12) International Application Status Report

Received at International Bureau: 28 August 2018 (28.08.2018)

Information valid as of: 10 October 2018 (10.10.2018)

Report generated on: 15 September 2019 (15.09.2019)

(10) Publication number:

WO2019/048255

(43) Publication date:

14 March 2019 (14.03.2019)

(26) Publication language:

English (EN)

(21) Application Number:

PCT/EP2018/072849

(22) Filing Date:

24 August 2018 (24.08.2018)

(25) Filing language:

English (EN)

(31) Priority number(s):

17306167.2 (EP)

(31) Priority date(s):

11 September 2017 (11.09.2017)

(31) Priority status:

Priority document received (in compliance with PCT Rule 17.1)

(51) International Patent Classification:

A61M 39/28 (2006.01); F16K 7/00 (2006.01)

(71) Applicant(s):

FRESENIUS VIAL SAS [FR/FR]; Patent Department Medical Devices Division Le Grand Chemin BP 3 38590 Brézins (FR) (*for all designated states*)

(72) Inventor(s):

MERMET, Emeric; 128B Avenue General Leclerc 38950 Saint Martin Le Vinoux (FR)

(74) Agent(s):

KUSCHE, Robert; Else-Kröner-Str. 1 61352 Bad Homburg (DE)

(54) Title (EN): PINCH CLAMP DEVICE

(54) Title (FR): DISPOSITIF DE PINCE DE SERRAGE

(54) Title (DE): PINCH CLAMP DEVICE

(57) Abstract:

(EN): A pinch clamp device for a flexible tube is disclosed, the pinch clamp device comprising a first part (2) and a second part (3) that are movable with respect to each other, wherein the first part (2) comprises a first conduit (5) for housing a flexible tube and the second part (3) comprises a second conduit (6) for housing the same flexible tube, wherein the first part (2) and the second part (3) are arranged in an interacting manner such that the pinch clamp device can be present in a first position or in a second position, wherein a flow of a fluid within a flexible tube arranged inside the first conduit (5) and the second conduit (6) is enabled in the first position, and wherein a flow of a fluid within a flexible tube arranged inside the first conduit (5) and the second conduit (6) is prevented in the second position. According to an aspect of the invention, the first part (2) and the second part (3) are designed axisymmetrically. Furthermore, a pinch clamp arrangement comprising such a pinch clamp device is disclosed. Additionally pump arrangement comprising a pump and such a pinch clamp arrangement is disclosed.

(FR): L'invention concerne un dispositif de pince de serrage pour un tube flexible, le dispositif de pince de serrage comprenant une première partie (2) et une seconde partie (3) qui sont mobiles l'une par rapport à l'autre, la première partie (2) comprend un premier conduit (5) pour loger un tube flexible et la seconde partie (3) comprend un second conduit (6) pour loger le même tube flexible, la première partie (2) et la seconde partie (3) sont agencées de manière à interagir de telle sorte que le dispositif de pince de serrage peut être présent dans une première position ou dans une seconde position, un écoulement d'un fluide à l'intérieur d'un tube flexible est disposé à l'intérieur du premier conduit (5) et le second conduit (6) est activé dans la première position, et un écoulement d'un fluide à l'intérieur d'un tube flexible disposé à l'intérieur du premier conduit (5) et du second conduit (6) est empêché dans la seconde position. Selon un aspect de l'invention, la première partie (2) et la seconde partie (3) sont conçues de manière axisymétrique. L'invention concerne également un agencement de pince de serrage comprenant un tel dispositif de pince de serrage. L'invention concerne en outre un agencement de pompe comprenant une pompe et un tel agencement de pince de serrage.

(DE): 18382WO01 11 Abstract A pinch clamp device for a flexible tube is disclosed, the pinch clamp device comprising a first part (2) and a second part (3) that are movable with respect to each other, wherein the first part (2) comprises a first conduit (5) for

housing a flexible tube and the second part (3) 5 comprises a second conduit (6) for housing the same flexible tube, wherein the first part (2) and the second part (3) are arranged in an interacting manner such that the pinch clamp device can be present in a first position or in a second position, wherein a flow of a fluid within a flexible tube arranged inside the first conduit (5) and the second conduit (6) is enabled in the first position, and wherein a flow of a fluid within a flexible tube arranged 10 inside the first conduit (5) and the second conduit (6) is prevented in the second position. According to an aspect of the invention, the first part (2) and the second part (3) are designed axisymmetrically. Furthermore, a pinch clamp arrangement comprising such a pinch clamp device is disclosed. Additionally pump arrangement comprising a pump and such a pinch clamp arrangement is disclosed. 15 FIG 2

International search report:

Received at International Bureau: 01 October 2018 (01.10.2018) [EP]

International Report on Patentability (IPRP) Chapter II of the PCT:

Not available

(81) Designated States:

AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW

European Patent Office (EPO) : AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR

African Intellectual Property Organization (OAPI) : BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG

African Regional Intellectual Property Organization (ARIPO) : BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW

Eurasian Patent Organization (EAPO) : AM, AZ, BY, KG, KZ, RU, TJ, TM