

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
05 January 2023 (05.01.2023)



(10) International Publication Number
WO 2023/278570 A1

(51) International Patent Classification:

A61M 60/139 (2021.01) A61M 60/861 (2021.01)
A61M 60/81 (2021.01) A61M 60/857 (2021.01)

(21) International Application Number:

PCT/US2022/035515

(22) International Filing Date:

29 June 2022 (29.06.2022)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/217,575 01 July 2021 (01.07.2021) US

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(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): 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, IQ, IR, IS, IT, JM, 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, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,

(54) Title: HEART PUMP ASSEMBLY WITH A BLOOD INLET CONFIGURED TO INCREASE BLOOD FLOW

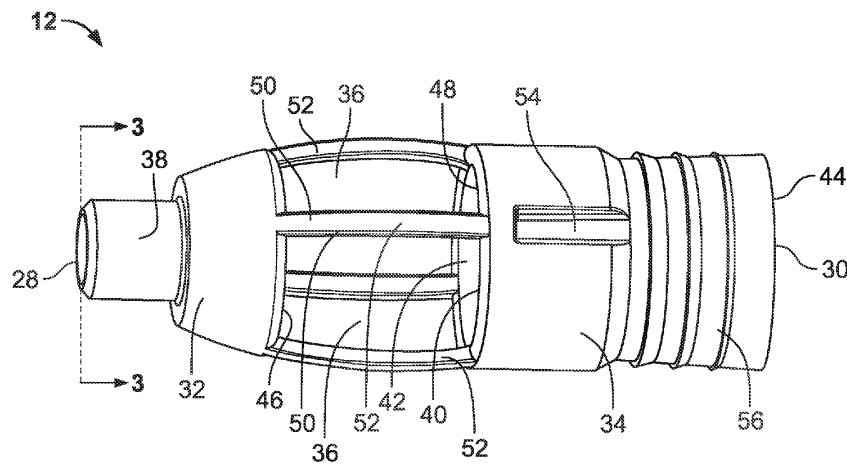


FIG. 2

(57) Abstract: A heart pump assembly having a blood inlet configured to increase blood flow into the heart pump assembly is disclosed herein. The heart pump assembly includes a motor housing, a cannula connected to the motor housing, and a blood inlet connected to the cannula. The blood inlet has a distal body portion, a proximal body portion defining an inlet conduit there within, and a plurality of cage openings defined and positioned between the distal and proximal body portions. The inlet conduit has one of a tapered portion, a frustum-shaped portion, or both a tapered portion and a frustum-shaped portion and is adapted to reduce flow turbulence at the blood inlet and increase the blood flow into the heart pump.

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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), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))