

Title (en)

THROTTLE FOR HEATING INFUSATE BY MEANS OF BODY HEAT

Title (de)

DROSSEL ZUR INFUSATERWÄRMUNG DURCH KÖRPERWÄRME

Title (fr)

ÉTRANGLEMENT POUR LE CHAUFFAGE D'INFUSAT AU MOYEN DE LA CHALEUR CORPORELLE

Publication

EP 3908346 A1 20211117 (DE)

Application

EP 19798638 A 20191106

Priority

- DE 102019200253 A 20190110
- EP 2019080402 W 20191106

Abstract (en)

[origin: WO2020143940A1] A medical fluid-line arrangement for transferring a medical fluid in a fluid-conveying manner between a medical elastomeric pump and a patient's port is known, the fluid-line arrangement comprising a fluid-line channel having an inlet, which is provided for connection in a fluid-conducting manner to an outlet of the elastomeric pump, and an outlet, which is provided for connection in a fluid-conducting manner to the patient's port, and a throttle element, which is connected in a fluid-conducting manner to the inlet and to the outlet of the fluid-conducting channel and through which a portion of the fluid-conducting channel extends, wherein the throttle element causes a partial narrowing of an active-flow cross section of the fluid-conducting channel. According to the invention, the throttle element is encapsulated at least partially in a thermally conductive body, which has a heat-absorption surface that is larger than an outer surface of the throttle element and is intended to be applied to the skin surface of a patient so as to be flat. The invention also relates to the use in a medical elastomeric pump.

IPC 8 full level

A61M 5/14 (2006.01); **A61M 5/145** (2006.01); **A61M 5/152** (2006.01); **A61M 5/168** (2006.01); **A61M 5/44** (2006.01)

CPC (source: EP US)

A61M 5/141 (2013.01 - EP US); **A61M 5/14586** (2013.01 - EP US); **A61M 5/152** (2013.01 - EP US); **A61M 5/16804** (2013.01 - EP US); **A61M 5/44** (2013.01 - EP US); **A61M 2005/14264** (2013.01 - EP); **A61M 2205/0233** (2013.01 - EP US); **A61M 2205/3334** (2013.01 - EP US); **A61M 2205/3355** (2013.01 - EP US); **A61M 2205/3613** (2013.01 - EP US)

Designated contracting state (EPC)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

WO 2020143940 A1 20200716; CN 113507948 A 20211015; CN 113507948 B 20240514; DE 102019200253 A1 20200716; EP 3908346 A1 20211117; US 2022072223 A1 20220310

DOCDB simple family (application)

EP 2019080402 W 20191106; CN 201980088529 A 20191106; DE 102019200253 A 20190110; EP 19798638 A 20191106; US 201917420793 A 20191106