

Title (en)

DEVICE AND METHOD FOR AUTOMATICALLY VENTING AND FILLING A CATHETER

Title (de)

VORRICHTUNG UND VERFAHREN ZUM AUTOMATISCHEN ENTLÜFTEN UND BEFÜLLEN EINES KATHETERS

Title (fr)

DISPOSITIF ET PROCÉDÉ POUR L'ÉVACUATION ET LE REMPLISSAGE AUTOMATIQUES D'UN CATHÉTER

Publication

EP 3573681 A1 20191204 (DE)

Application

EP 18702473 A 20180129

Priority

- DE 102017201439 A 20170130
- EP 2018052151 W 20180129

Abstract (en)

[origin: WO2018138346A1] The invention relates to a device and a method for automatically venting and filling a catheter which is connected to a blood vessel of a patient with blood, in particular for preparing a hemodialysis and in particular by means of a cannula insertion machine. This is facilitated by the invention in particular by venting and filling a fluid channel which is fluidically connected to the catheter by means of a venting device, by detecting the venting and/or the filling of the fluid channel using a sensor device, which generates a measurement signal that contains information on the venting and/or the filling of the fluid channel, and by controlling the venting device using a controller, which has electric circuits, depending on the measurement signal in order to achieve the automatic venting and/or filling of the fluid channel and the catheter.

IPC 8 full level

A61M 1/36 (2006.01)

CPC (source: EP US)

A61M 1/3643 (2013.01 - EP US); **A61M 2025/1077** (2013.01 - EP US); **A61M 2205/331** (2013.01 - EP US); **A61M 2205/3331** (2013.01 - EP US); **A61M 2205/35** (2013.01 - EP US); **A61M 2205/50** (2013.01 - EP US)

Citation (search report)

See references of WO 2018138346A1

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 2018138346 A1 20180802; CN 110234372 A 20190913; CN 110234372 B 20230317; DE 102017201439 A1 20180802; EP 3573681 A1 20191204; JP 2020505162 A 20200220; JP 7228520 B2 20230224; US 2019336674 A1 20191107

DOCDB simple family (application)

EP 2018052151 W 20180129; CN 201880009318 A 20180129; DE 102017201439 A 20170130; EP 18702473 A 20180129; JP 2019541106 A 20180129; US 201816479938 A 20180129