

Title (en)
MANIFOLD DIAPHRAGMS

Title (de)
VERTEILERDIAPHRAGMEN

Title (fr)
DIAPHRAGMES DE COLLECTEUR

Publication
EP 2999497 A4 20161026 (EN)

Application
EP 14773805 A 20140422

Priority
US 2014035051 W 20140422

Abstract (en)
[origin: CN105263542A] The specification discloses a portable dialysis machine having a detachable controller unit and base unit. The controller unit includes a door having an interior face, a housing with a panel, where the housing and panel define a recessed region configured to receive the interior face of the door, and a manifold receiver fixedly attached to the panel. The manifold includes diaphragms adapted to minimize the dead space between the dialysis machine pins and improve responsivity. The base unit has a planar surface for receiving a container of fluid, a scale integrated with the planar surface and a heater in thermal communication with the container. Embodiments of the disclosed portable dialysis system have improved structural and functional features, including improved modularity, ease of use, and safety features.

IPC 8 full level
A61M 1/16 (2006.01); **A61M 1/36** (2006.01)

CPC (source: EP US)
A61M 1/1524 (2022.05 - EP US); **A61M 1/154** (2022.05 - EP US); **A61M 1/155** (2022.05 - EP US); **A61M 1/156** (2022.05 - EP US); **A61M 1/1565** (2022.05 - EP US); **A61M 1/1609** (2014.02 - EP); **A61M 1/1645** (2014.02 - EP); **A61M 1/166** (2014.02 - EP); **A61M 1/1694** (2013.01 - EP); **A61M 1/1696** (2013.01 - EP); **A61M 1/3401** (2022.05 - EP US); **A61M 1/362227** (2022.05 - EP US); **A61M 1/36224** (2022.05 - EP US); **A61M 1/36225** (2022.05 - EP US); **A61M 1/36226** (2022.05 - EP US); **A61M 1/362264** (2022.05 - EP US); **A61M 1/362265** (2022.05 - EP US); **A61M 1/3641** (2014.02 - EP); **A61M 1/3646** (2014.02 - EP); **A61M 1/3656** (2014.02 - EP); **A61M 1/1692** (2013.01 - EP); **A61M 1/3639** (2013.01 - EP); **A61M 2205/126** (2013.01 - EP); **A61M 2205/128** (2013.01 - EP); **A61M 2205/13** (2013.01 - EP); **A61M 2205/14** (2013.01 - EP); **A61M 2205/15** (2013.01 - EP); **A61M 2205/3368** (2013.01 - EP); **A61M 2205/3393** (2013.01 - EP); **A61M 2205/3553** (2013.01 - EP); **A61M 2205/3584** (2013.01 - EP)

Citation (search report)
• [X] US 2013292319 A1 20131107 - FULKERSON BARRY NEIL [US], et al
• See references of WO 2014161008A1

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)
CN 105263542 A 20160120; EP 2999497 A1 20160330; EP 2999497 A4 20161026

DOCDB simple family (application)
CN 201480029452 A 20140422; EP 14773805 A 20140422