

Title (en)

EQUIPMENT SETS AND SYSTEMS FOR THE SEQUENTIAL ADMINISTRATION OF MEDICAL LIQUIDS AT DUAL FLOW RATES.

Title (de)

AUSRÜSTUNGSSÄTZE UND -SYSTEME FÜR DAS SEQUENTIELLE ZUDIENEN MEDIZINISCHER FLÜSSIGKEITEN MIT ZWEI STRÖMUNGSGESCHWINDIGKEITEN.

Title (fr)

SYSTEMES ET DISPOSITIFS POUR L'ADMINISTRATION SEQUENTIELLE DE LIQUIDES MEDICAUX A DEUX VITESSES D'ECOULEMENT.

Publication

**EP 0024415 A4 19811027 (EN)**

Application

**EP 80900476 A 19800910**

Priority

- US 1622979 A 19790228
- US 1624179 A 19790228
- US 1626779 A 19790228
- US 1626979 A 19790228
- US 1646179 A 19790228

Abstract (en)

[origin: WO8001756A1] Gravitational flow systems and equipment sets for the sequential administration of medical liquids wherein a primary source (11) can be administered at a flow rate independent of the flow rate of a secondary source (13) and including a barrier (47) substantially impervious to air to prevent the inadvertent administration of air when the secondary source (13) is depleted. The air barrier may consist of either a hydrophilic membrane (45) or mechanical float valve (65) or a diaphragm operated barrier member (241).

IPC 1-7

**A61M 5/14**

IPC 8 full level

**A61M 1/00** (2006.01); **A61M 5/14** (2006.01); **A61M 5/36** (2006.01)

CPC (source: EP)

**A61M 5/1408** (2013.01); **A61M 5/36** (2013.01)

Citation (search report)

- FR 2400367 A1 19790316 - MILLIPORE CORP [US]
- DE 2835230 A1 19790301 - MILLIPORE CORP
- GB 2002646 A 19790228 - MILLIPORE CORP
- US 3982534 A 19760928 - BUCKMAN THOMAS P
- US 3650093 A 19720321 - ROSENBERG DAVID
- FR 2363750 A1 19780331 - MALBEC EDOUARD [FR]
- FR 2346762 A1 19771028 - LEER KONINKLIJKE EMBALLAGE [NL]

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**WO 8001756 A1 19800904**; AU 533587 B2 19831201; AU 5523480 A 19800904; EP 0024415 A1 19810311; EP 0024415 A4 19811027; JP S56500007 A 19810108

DOCDB simple family (application)

**US 8000070 W 19800123**; AU 5523480 A 19800205; EP 80900476 A 19800910; JP 50060780 A 19800123