

Title (en)
BLOOD FRACTIONATION APPARATUS.

Title (de)
BLUTFRAKTIONIERUNGSVORRICHTUNG.

Title (fr)
APPAREIL DE FRACTIONNEMENT DU SANG.

Publication
EP 0096693 A4 19850423 (EN)

Application
EP 83900147 A 19821119

Priority
• US 33089981 A 19811215
• US 33090081 A 19811215
• US 33090181 A 19811215

Abstract (en)
[origin: WO8302059A1] An apparatus for separating and collecting plasma from whole blood includes volume and rate monitoring systems (92, 93) which provide continuous automatic displays of the volume and rate of plasma collected. The systems analyze incremental changes in the collected plasma weight over successive time intervals. The systems continuously display volume and rate measurements, and are not effected by changes in tare weight or a change in the plasma collection container. The apparatus further includes a ratio control system (106) which enables replacement fluid to be added by a replacement fluid pump (52) associated with the apparatus to process plasma-deficient blood at a predetermined ratio relative to the volume of plasma collected in a collection container.

IPC 1-7
A61M 1/03; **A61M 5/00**; **B01D 31/00**; **B01D 13/00**; **G01F 13/00**

IPC 8 full level
A61M 1/00 (2006.01); **A61M 1/34** (2006.01); **G01F 1/00** (2006.01); **G01F 1/76** (2006.01); **G01G 17/06** (2006.01)

IPC 8 main group level
A61M (2006.01); **B01D** (2006.01); **G01F** (2006.01)

CPC (source: EP US)
A61M 1/3496 (2013.01 - EP); **B01D 61/147** (2013.01 - EP); **B01D 63/02** (2013.01 - EP US); **G01F 1/00** (2013.01 - EP); **G01F 1/76** (2013.01 - EP); **G01G 17/06** (2013.01 - EP US); **A61M 2205/3393** (2013.01 - EP); **A61M 2209/082** (2013.01 - EP)

Citation (search report)
[A] EP 0016841 A1 19801015 - SHIMADZU CORP [JP]

Designated contracting state (EPC)
BE CH DE FR GB LI SE

DOCDB simple family (publication)
WO 8302059 A1 19830623; AU 1045383 A 19830630; BR 8208017 A 19831108; DK 371783 A 19830815; DK 371783 D0 19830815; EP 0096693 A1 19831228; EP 0096693 A4 19850423; ES 518245 A0 19840616; ES 8405634 A1 19840616; IT 1155223 B 19870121; IT 8224749 A0 19821214; JP S59500083 A 19840119

DOCDB simple family (application)
US 8201641 W 19821119; AU 1045383 A 19821119; BR 8208017 A 19821119; DK 371783 A 19830815; EP 83900147 A 19821119; ES 518245 A 19821215; IT 2474982 A 19821214; JP 50019383 A 19821119