

Title (en)
A cannula assembly.

Title (de)
Kanülenanordnung.

Title (fr)
Assemblage de canules.

Publication
EP 0000831 A1 19790221 (EN)

Application
EP 78300235 A 19780803

Priority
US 82184877 A 19770804

Abstract (en)
A cannula assembly for bidirectional blood flow using co-extensive telescopic cannulae, and including a venipuncture needle (40) which during puncturing projects forwardly of the cannulae to facilitate venipuncture and is then displaceable away from the venipuncture site to permit unobstructed simultaneous fluid flow in opposite directions through the cannulae. The inner cannula (38) may be fixed or longitudinally displaceable.

IPC 1-7
A61M 25/00

IPC 8 full level
A61M 1/30 (2006.01); **A61M 5/158** (2006.01); **A61M 25/01** (2006.01)

CPC (source: EP)
A61M 5/1582 (2013.01); **A61M 25/0111** (2013.01); **A61M 2025/0031** (2013.01); **A61M 2025/0039** (2013.01)

Citation (search report)

- US 3875938 A 19750408 - MELLOR ELI K
- BE 851299 A 19770531 - HOSPAL S A
- [XP] LU 77252 A1 19770822
- [A] US 4016879 A 19770412 - MELLOR ELI K
- [A] DE 2645520 A1 19770414 - MCLAUGHLIN WILLIAM F

Cited by
US5421825A; EP0036642A3; DE3122675A1; GB2137500A; FR2689402A1; US4493708A; EP0725658A4; US5947932A; DE3112762A1; US2021178142A1; US11311714B2; WO2022132584A1; WO9902209A1; WO2018141323A1

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

DOCDB simple family (publication)
EP 0000831 A1 19790221; **EP 0000831 B1 19830316**; CA 1114705 A 19811222; DE 2862201 D1 19830421; IT 1097699 B 19850831; IT 7826467 A0 19780804; JP S5428499 A 19790303

DOCDB simple family (application)
EP 78300235 A 19780803; CA 307492 A 19780717; DE 2862201 T 19780803; IT 2646778 A 19780804; JP 9167478 A 19780728