

Title (en)  
A CANNULA ASSEMBLY

Publication  
**EP 0000831 B1 19830316 (EN)**

Application  
**EP 78300235 A 19780803**

Priority  
US 82184877 A 19770804

Abstract (en)  
[origin: EP0000831A1] 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 5/158** (2006.01); **A61M 1/30** (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)

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

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**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

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**EP 78300235 A 19780803**; CA 307492 A 19780717; DE 2862201 T 19780803; IT 2646778 A 19780804; JP 9167478 A 19780728