

Title (en)  
CANNULA PUMP VALVES

Title (de)  
PUMPENVENTILE IN KANÜLE

Title (fr)  
VALVULES RELIEES A UNE POMPE INCORPOREES A UNE CANULE

Publication  
**EP 0989882 A1 20000405 (EN)**

Application  
**EP 97926206 A 19970618**

Priority  
IL 9700201 W 19970618

Abstract (en)  
[origin: WO9857698A1] A cannula valve unit is provided for the control of liquid flow that comprises an inlet valve and an outlet valve and has ends adapted for connecting to a cannula. The unit is cylindrical and has cross-sectional areas for liquid flow substantially equal to the cross-sectional area of the cannula with which it is used. The inlet and outlet valves are designed to reduce stress on blood cells in the instance where the liquid is blood.

IPC 1-7  
**A61M 39/24**; **A61M 1/10**

IPC 8 full level  
**A61F 2/24** (2006.01); **A61M 25/00** (2006.01); **A61M 60/174** (2021.01); **A61M 60/859** (2021.01); **A61M 60/896** (2021.01)

CPC (source: EP US)  
**A61M 25/0075** (2013.01 - EP US); **A61M 60/148** (2021.01 - EP US); **A61M 60/174** (2021.01 - EP US); **A61M 60/859** (2021.01 - EP US); **A61M 60/896** (2021.01 - EP US)

Citation (search report)  
See references of WO 9857698A1

Cited by  
CN109843184A; US11793973B2; US11723768B2; US11724068B2; US11471645B2; US11679236B2; US11109967B2

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