

Title (en)  
SYRINGE ASSEMBLY

Title (de)  
SPRITZENVORRICHTUNG

Title (fr)  
ENSEMBLE SERINGUE

Publication  
**EP 1075293 A1 20010214 (EN)**

Application  
**EP 99921553 A 19990430**

Priority  

- US 9909398 W 19990430
- US 7025198 A 19980430

Abstract (en)  
[origin: WO9955402A1] The syringe assembly (10) includes a syringe barrel (12) having an interior surface (22) and a substantially closed discharge end (24) defining a discharge opening (26). A stop (34) is mounted on the interior surface (22) of the syringe barrel (12). A piston (14) is slidably disposed within the syringe barrel (12). The piston has a forward-most sealing surface and the rearward-most sealing surface. The forward-most sealing surface (39) and the rearward-most sealing surface (45) are spaced a first distance from one another. The piston (14) is movable between a first position and a second position. The plunger rod (18) has at least one finger (76) extending therefrom, the at least one finger (76) having a distal end portion constructed to engage the stop (34) when the piston (14) is in its second position. The distal end portion of the at least one finger (76) is positioned no more than the first distance from the stop (34) when the piston (14) is in its first position.

IPC 1-7  
**A61M 5/315**

IPC 8 full level  
**A61M 5/315** (2006.01); **A61M 5/31** (2006.01); **A61M 5/50** (2006.01)

CPC (source: EP)  
**A61M 5/31511** (2013.01); **A61M 5/31515** (2013.01); **A61M 5/502** (2013.01); **A61M 2005/3121** (2013.01); **A61M 2005/31506** (2013.01);  
**A61M 2005/31508** (2013.01)

Citation (search report)  
See references of WO 9955402A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)  
**WO 9955402 A1 19991104**; AU 3873799 A 19991116; CA 2329707 A1 19991104; EP 1075293 A1 20010214; JP 2002515268 A 20020528

DOCDB simple family (application)  
**US 9909398 W 19990430**; AU 3873799 A 19990430; CA 2329707 A 19990430; EP 99921553 A 19990430; JP 2000545597 A 19990430