

Title (en)

ANGIOGRAPHIC INJECTION SYRINGE AND FRONT-LOAD INJECTOR ADAPTER

Title (de)

DUPLITIONSSPUTZE FÜR DIE ANGIOGRAPHIE UND INJEKTIONSADAPTER MIT FRONTLADUNG

Title (fr)

SERINGUE D'INJECTION ANGIOGRAPHIQUE ET ADAPTATEUR D'INJECTEUR DE CHARGE AVANT

Publication

EP 1019121 A4 20010404 (EN)

Application

EP 98943298 A 19980821

Priority

- US 9817374 W 19980821
- US 91636997 A 19970822
- US 9644298 A 19980611

Abstract (en)

[origin: WO9910032A1] A front-load syringe injector system includes a front-load injector apparatus (60) having mounted on a front face (64) thereof a detachably engageable adapter (66). A driving head (40) is engaged with a drive mechanism (54) of the injector and the driving head disengageably engages a plunger (24) mounted in an angiographic syringe (10) mounted on the adapter. At least one of the plunger and driving head and syringe elements interacts with the adapter to effect engagement and disengagement of the plunger and driving head and syringe with respect to one another.

IPC 1-7

A61M 5/315; A61M 5/145

IPC 8 full level

A61M 5/315 (2006.01); **A61M 5/145** (2006.01); **A61M 5/00** (2006.01)

CPC (source: EP)

A61M 5/14546 (2013.01); **A61M 5/007** (2013.01); **A61M 5/14566** (2013.01); **A61M 5/31511** (2013.01); **A61M 5/31515** (2013.01)

Citation (search report)

- No further relevant documents disclosed
- See references of WO 9910032A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

WO 9910032 A1 19990304; AU 9112698 A 19990316; EP 1019121 A1 20000719; EP 1019121 A4 20010404; JP 2001513406 A 20010904

DOCDB simple family (application)

US 9817374 W 19980821; AU 9112698 A 19980821; EP 98943298 A 19980821; JP 2000507420 A 19980821