

Title (en)  
FLUID SAMPLING DEVICE WITH RETRACTABLE NEEDLE

Title (de)  
VORRICHTUNG MIT ZURÜCKZIEHBARER NADEL ZUR PROBEENTNAHME FON FLÜSSIGKEITEN

Title (fr)  
DISPOSITIF DE PRISE D'ECHANTILLONS DE FLUIDE A AIGUILLE RETRACTABLE

Publication  
**EP 1053038 A4 20040421 (EN)**

Application  
**EP 99905812 A 19990205**

Priority  
• US 9902566 W 19990205  
• US 7374998 P 19980205

Abstract (en)  
[origin: WO9944660A1] A method for withdrawing a fluid sample from a patient is disclosed comprising the steps of: a) providing a sampling device (10) having a housing (20) and a needle (40) having a sharpened tip for piercing the skin of the patient; b) withdrawing fluid from the patient into the housing; c) retracting the needle so that the sharpened tip of the needle is enclosed within the housing; and d) expelling the fluid from the housing after the needle is retracted.

IPC 1-7  
**A61M 5/32**; **A61B 5/14**

IPC 8 full level  
**A61M 5/32** (2006.01); **A61B 5/15** (2006.01)

CPC (source: EP)  
**A61B 5/15003** (2013.01); **A61B 5/150236** (2013.01); **A61B 5/150244** (2013.01); **A61B 5/150389** (2013.01); **A61B 5/150496** (2013.01); **A61B 5/150519** (2013.01); **A61B 5/150656** (2013.01); **A61B 5/150908** (2013.01); **A61B 5/153** (2013.01); **A61M 5/3202** (2013.01); **A61M 5/3232** (2013.01); **A61M 5/3257** (2013.01)

Citation (search report)  
• [A] US 5374250 A 19941220 - DIXON RICHARD E [US]  
• [A] US 5709668 A 19980120 - WACKS JONATHAN L [US]  
• See references of WO 9944660A1

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 9944660 A1 19990910**; AU 2589099 A 19990920; AU 736394 B2 20010726; BR 9907642 A 20001114; CA 2319508 A1 19990910; CN 1294525 A 20010509; EP 1053038 A1 20001122; EP 1053038 A4 20040421; JP 2002505162 A 20020219; MX PA00007638 A 20020424; PL 342257 A1 20010604

DOCDB simple family (application)  
**US 9902566 W 19990205**; AU 2589099 A 19990205; BR 9907642 A 19990205; CA 2319508 A 19990205; CN 99804429 A 19990205; EP 99905812 A 19990205; JP 2000534257 A 19990205; MX PA00007638 A 19990205; PL 34225799 A 19990205