

Title (en)  
SPRING-LOADED NEEDLE PROTECTIVE ASSEMBLY FOR MULTI-DRAW NEEDLE

Title (de)  
MIT EINER FEDER AUSGERÜSTETE KONSTRUKTION ZUM SCHUTZE EINER NADEL FÜR MEHRFACHEN GEBRAUCH

Title (fr)  
ENSEMBLE DE PROTECTION D'UNE AIGUILLE A RESSORT POUR AIGUILLE DE PRELEVEMENTS MULTIPLES

Publication  
**EP 1399208 A2 20040324 (EN)**

Application  
**EP 02749870 A 20020124**

Priority  
• US 0221639 W 20020124  
• US 76839701 A 20010124

Abstract (en)  
[origin: WO02092137A2] A needle protective assembly in which a slidable sheath is mounted over a barrel which, in turn, encircles a needle. The sheath is adapted to slide along the barrel, and cover the needle after use, protecting against accidental needlesticks. The inner barrel is integrally formed with a hub in which the needle is mounted, and which may be used to attach the inventive protective assembly to a blood collection vial holder, or a hypodermic syringe, depending upon the application. In some embodiments, the protective assembly may also be formed integrally with either the blood collection vial holder, or the hypodermic syringe.

IPC 1-7  
**A61M 5/32**; **A61B 5/15**

IPC 8 full level  
**A61B 5/15** (2006.01); **A61M 5/32** (2006.01); **A61M 5/00** (2006.01)

CPC (source: EP)  
**A61B 5/15003** (2013.01); **A61B 5/150389** (2013.01); **A61B 5/150496** (2013.01); **A61B 5/150618** (2013.01); **A61B 5/150656** (2013.01); **A61B 5/150717** (2013.01); **A61B 5/150732** (2013.01); **A61B 5/154** (2013.01); **A61M 5/3243** (2013.01); **A61M 5/002** (2013.01); **A61M 5/3257** (2013.01); **A61M 5/3271** (2013.01)

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

DOCDB simple family (publication)  
**WO 02092137 A2 20021121**; **WO 02092137 A3 20031002**; **WO 02092137 A9 20040115**; AU 2002320357 A1 20021125;  
AU 2002332384 A1 20031111; EP 1399208 A2 20040324; EP 1399208 A4 20050316; WO 03095002 A1 20031120

DOCDB simple family (application)  
**US 0221639 W 20020124**; AU 2002320357 A 20020124; AU 2002332384 A 20020124; EP 02749870 A 20020124; US 0202250 W 20020124