

(19) (KR)
(12) (B1)

(51) 。 Int. Cl.⁶
A61M 5/178

(45)
(11)
(24)

2004 03 22
10-0408924
2003 11 27

(21) 10-1997-0034270
(22) 1997 07 22

(65)
(43)

10-1998-0079299
1998 11 25

(30) 08/839,223 1997 04 22 (US)

(73) , 07417-1880, , 1

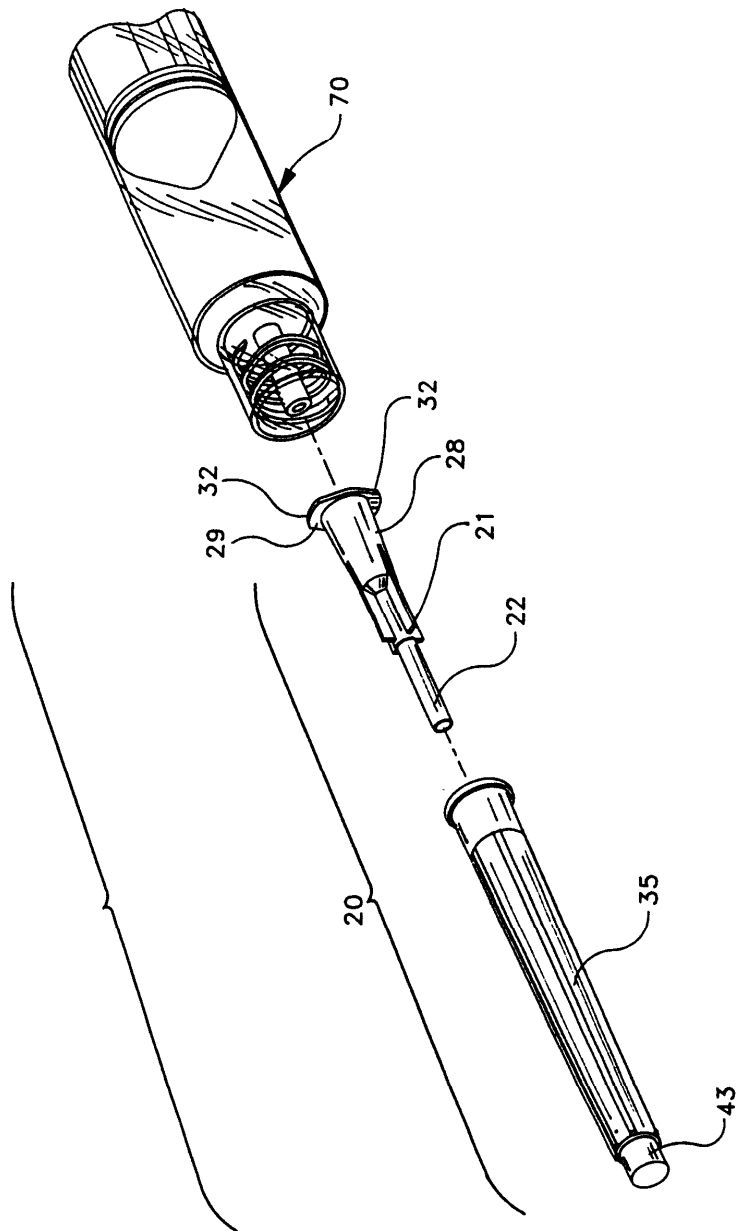
(72) , 07013, , 26

(74)

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(54)

(proximal end), (distal end)
(hub) (cannula sealing shield assembly)
(recess) (shield) 가
(sealing plug) 가
(telescoping movement) 가
(unpressurized) 가



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3 - 3

2

3

(fluid delivery devices)

(combination)

(needle shield)

(prefilled syringe)

가

(needle shield)

(commercial setting)

가

(shield)

(sealing plug)

(cannula),

(hub)

가 가

(telescoping movement)

가

(unpressurized) 가

(syringe barrel),

(cannula),

(shield)

가

가

가

가

가

1 - 4
(22)
(31)

(20)
(21) 가
(29)

(23),
(28)

(25)

(27)
(23)
(23)

(33)

(28)
(32) 가

(25)

(39) (35) (37), (38) (25)
 가 가 가 3
 (40) (seal plug ; 43) (44) (45)
 , , 4 ,
 (telescoping movement) (35) (38)
 (27) 가 가
 가 (44) (46) 4 가
 (47) 가
 (46)
 , 가
 가 가
 가 가 3 (43) 가 (50)
 (35) (38) 4 가 ,
 , / , / 가
 , (interfering structure),
 (41) (51) 3 가
 (41) (51)
 가 가
 (20) (73), (74) (76)
 (70) (72) (28)
 3) (22) 가 (76) (78) (77) (7)
 (29) - (30) - (frusto-conically shaped tip)
 79) (77) (locking) (luer - type collar ;
 (32) (80) (28)
 가 (stopcocks) 9adapter (luer slip)
 가
 가
 (82) (75) 가 가 (76) 가 1
 983) (71)
 (one-piece unitary construction)
 (82) (78) (76)
 (70) (76) (78)
 , 가 I.V. 가
 - (pre-slit) I.V.
 1 - 4 가

가 가

가 가

5 (128) (121) (122), 가 (123)
 (125) (121) 1 - 4 (21) (125) (133)

가 6 I.V. 가 가
 21) (223), (225) (221) (222) (221) (2
 (229) (231) (228) 가
 (225) (223)

7 - 8 1 - 4 가 가
 (320) (376) (320) 가
 (373) (370) (377)
 (376) (378)
 (321) (333) (325) (322)
 (335) (337), (338) 가 (340)
 (339) 가

(seal plug ; 343) (344) (348) (345) 가 가
 가 가 7 (unpressurized) 가 8

(telescoping movement) (343) 가 8

가 가 가
 1 - 4 가 가
 가 가 가 (343) 가 가
 가 가 가 가

9 10 2가 (422) (42
 8) 가 (471) 1 - 4 (440)
 (435) (437), (438) (440)
 (439) (434) (444) (445)
 10 (438) (telescoping movement) 9

11 (538) (539) (537),
 (543) (544) (545) (543) (535)
 (552) (522) (543) 가
 (522) 가 (522) (527) 11

가 (annular rib ; 542) (55
 3) 가 (550) 가 가
 (locking) (542) (553)

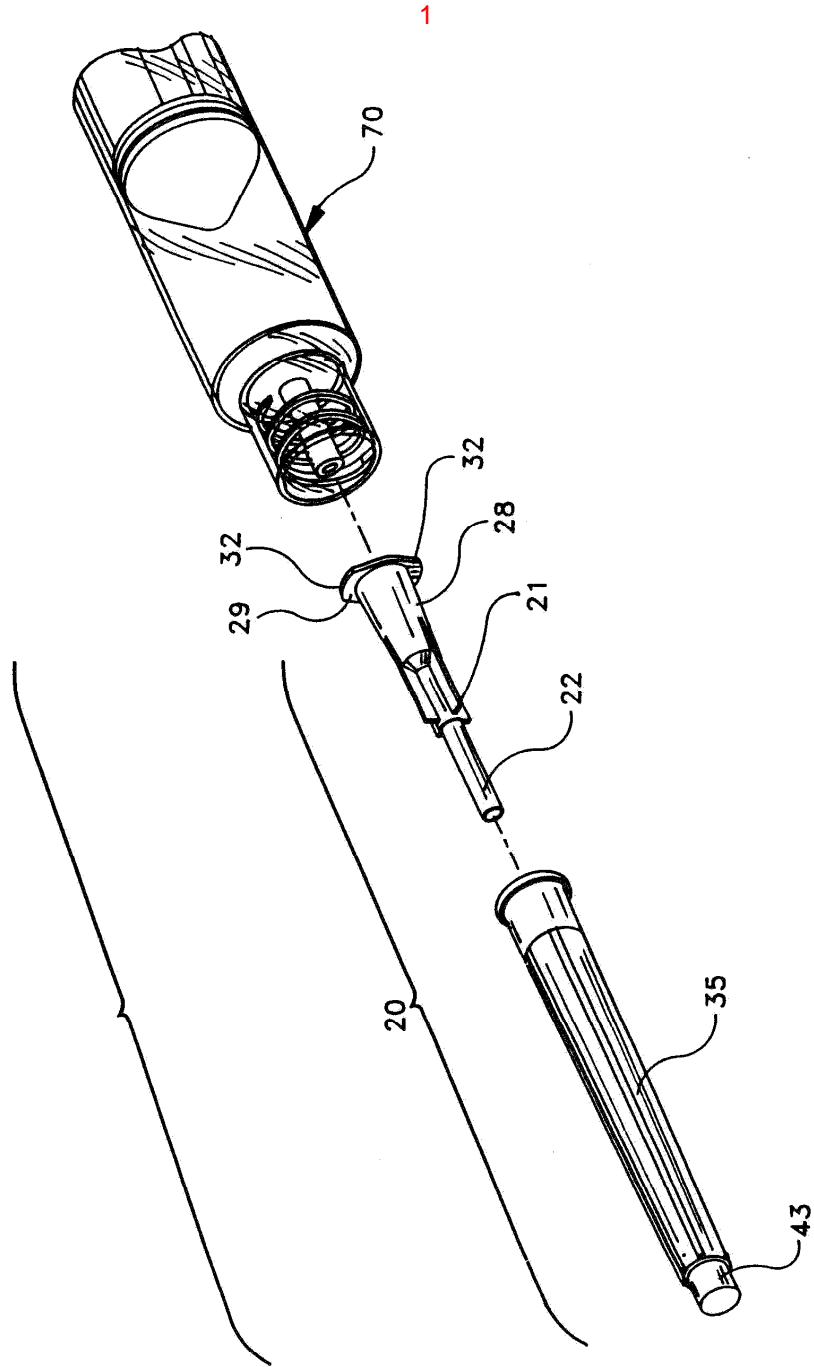
12

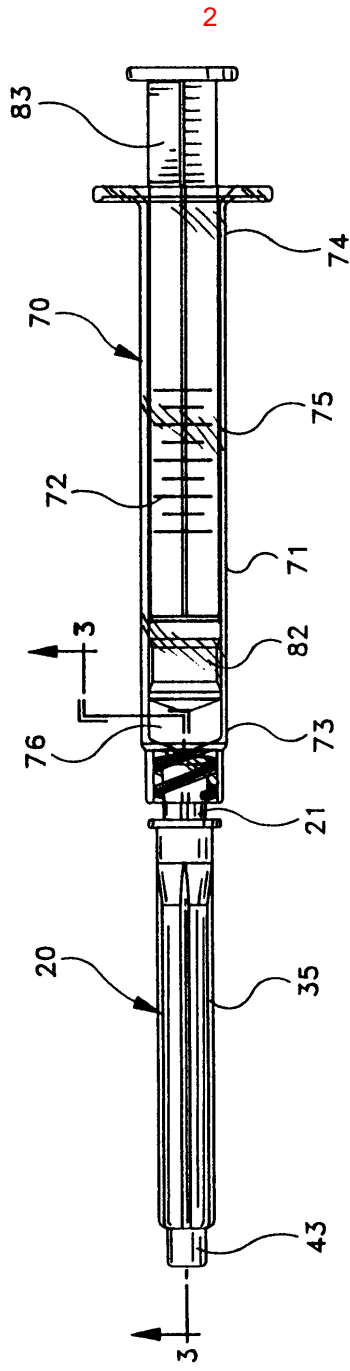
(676) (675) (670) 가
 (676) (681) (671) (671)
 (622) (625) (677) (677) (623)
 (681)
 (633)
 11

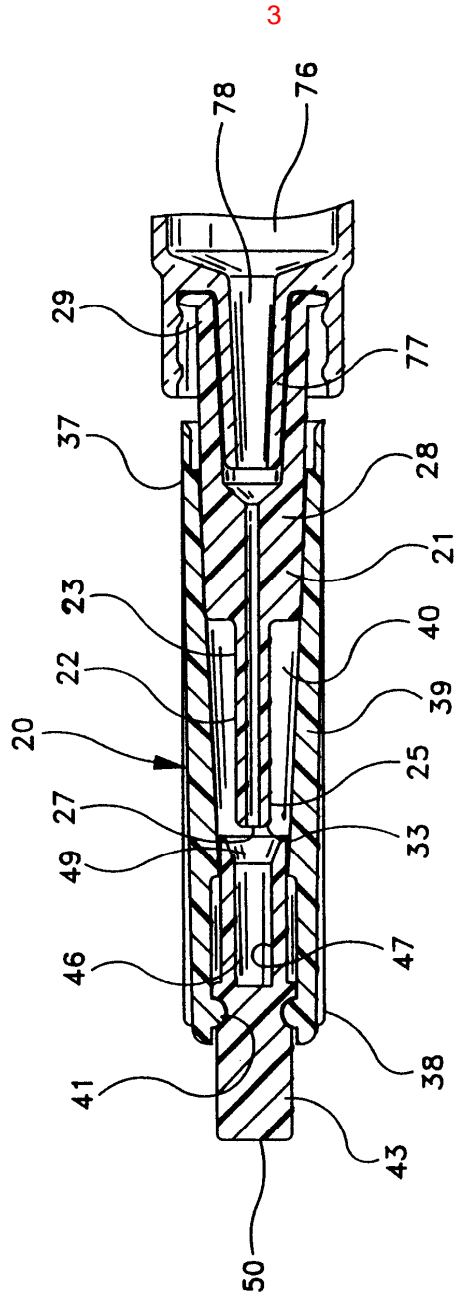
(shield) (sealing plug) (cannula),
 (hub) 가 가
 (telescoping movement) 가
 가 (unpressurized) 가
 (syringe barrel), (cannula), (shield) 가
 가 가 가 가

(57)

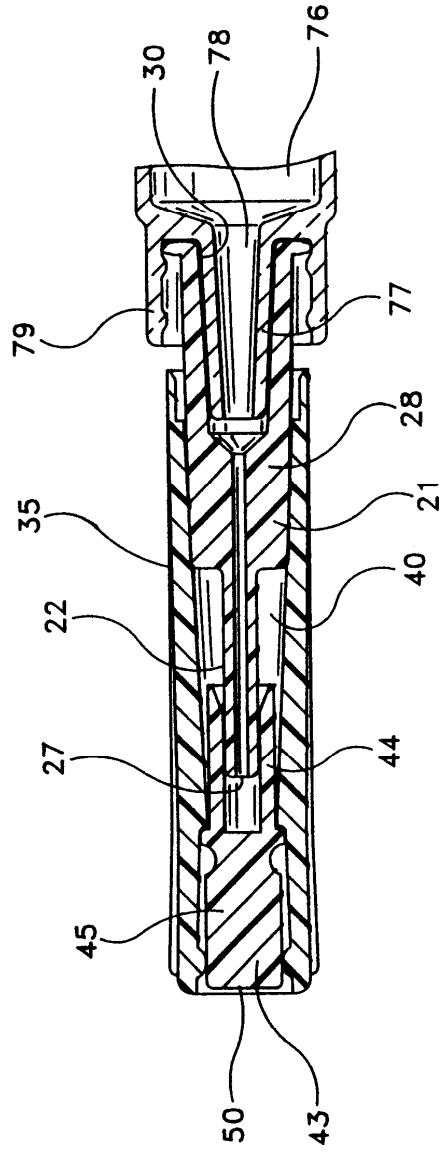
1. (proximal end), (blunt distal end) (open proximal end) (cannula),
 (shield) (hub)
 가 (cannula assembly);
 가 (shield) (shaft portion)
 가 (shield) ; 가
 가 (seal plug) 가
 가 (telescoping)
 가 (sealing plug)
 (cannula sealing shield assembly).



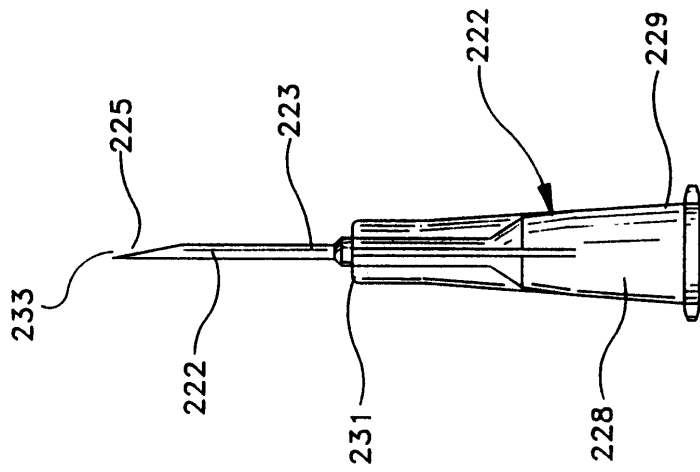


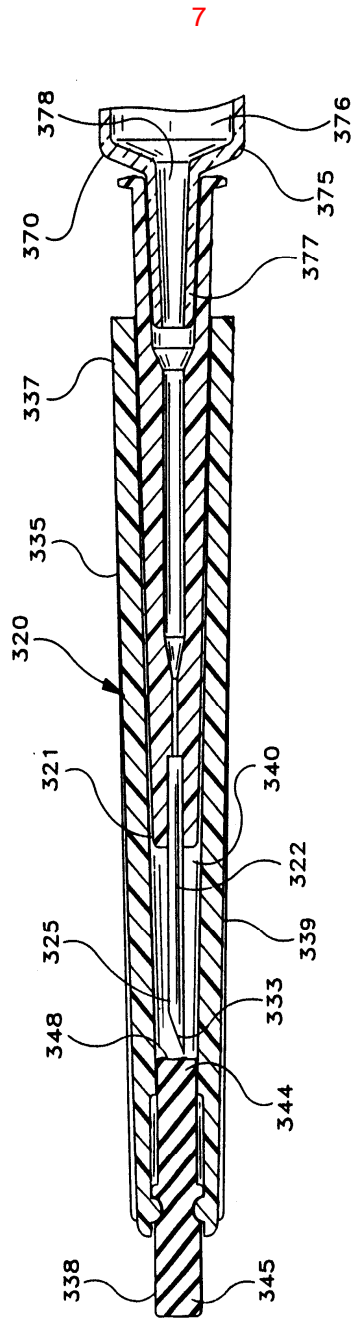
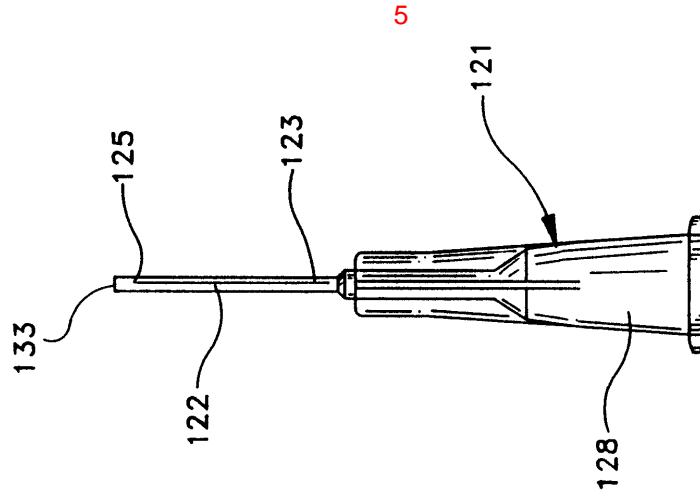


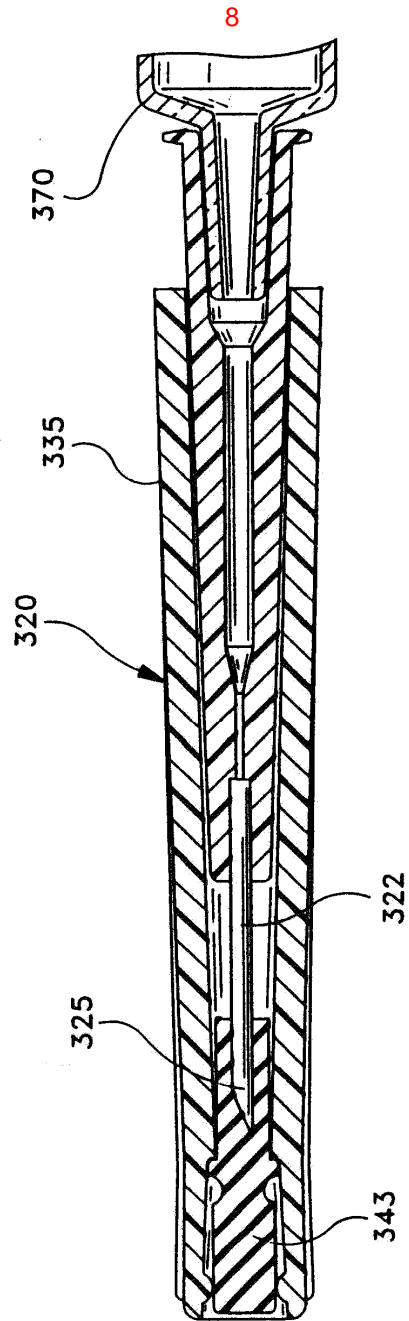
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