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1) Family number: 21992620 (US2972991A)

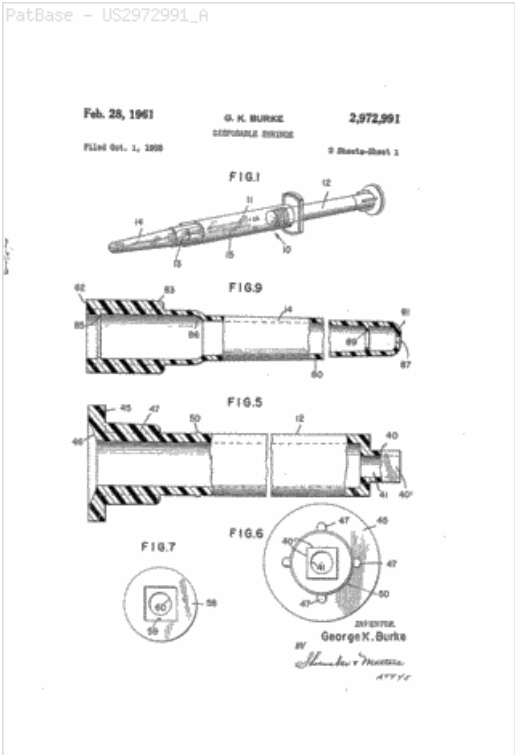
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Title: DISPOSABLE SYRINGE

Abstract: (Claim 1) 1. A disposable syringe which comprises a generally cylindrical hollow barrel, a substantially cylindrical hollow plunger slidably positioned within said barrel, said plunger having a reduced end portion having an irregular outer surface, a resilient plunger ring having a plurality of substantially annular rings formed on the outer surface thereof, said ring having formed in one surface thereof an irregular recess complementary to the irregular configuration of said reduced end portion and preventing relative rotation between said plunger and said plunger ring, said plunger ring also having another opening formed in the opposite surface thereof and in communication with said recess, said reduced end portion having an opening formed therethrough in communication with the hollow interior of said plunger, and pin means extending through the opening in said ring and the opening in said reduced end portion for securing said resilient plunger ring to said plunger.

Classifications:

- International (IPC 8-9):** A61M5/178 (Advanced/Invention); A61M5/178 (Core/Invention)
- International (IPC 1-7):** A61M5/18
- CPC:** A61M5/178
- European:** A61M5/178
- US:** 604/110 604/192 604/222 604/228 D24/114



Family:

Publication number	Publication date	Application number	Application date
US2972991 A	19610228	US19580764657	19581001

Priority:

US19580764657 19581001

Probable Assignee:

BURRON MEDICAL PROD INC

Assignee(s): (std):

BURRON MEDICAL PROD INC

Assignee(s):

BURRON MEDICAL PRODUCTS INC

Inventor(s): (std):

BURKE GEORGE K

2) Family number: 69572634 (WO18078628A3)

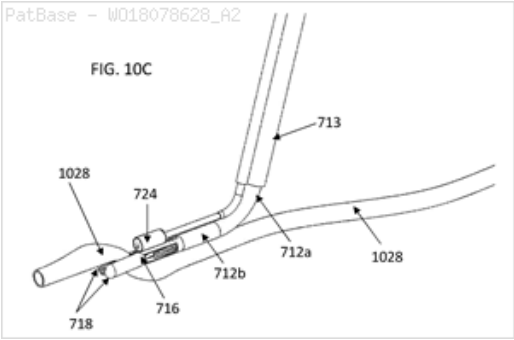
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Title: VASCULAR ACCESS APPARATUS AND METHOD

Abstract: An apparatus for vascular access is provided. The apparatus includes a device for engaging a blood vessel and a guide for guiding a tissue-piercing element into the blood vessel.

Classifications:

International (IPC 8-9): A61B1/313 A61B1/32 (Advanced/Invention)
CPC: A61B17/12186 A61B17/12109 A61B17/122 A61B17/1285
A61B17/29 A61B17/3478 A61B2017/00331 A61B2017/00336
A61B2017/00353 A61B2017/00853 A61B2017/00907 A61B2017/1205
A61M5/178 A61B2017/2926



Family:

Publication number	Publication date	Application number	Application date
WO18078628 A2	20180503	WO20171L51173	20171026
WO18078628 A3	20180531	WO20171L51173	20171026

Priority:

US20160413448P 20161027

Probable Assignee: METRA MEDICAL SOLUTIONS LTD

Assignee(s): (std): METRA MEDICAL SOLUTIONS LTD

Inventor(s): (std): BAR YOSEPH GILL ; MAGNAZI GILAD ; TAL MICHAEL

Agent(s): FRIEDMAN NATHALIE ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DJ DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JO JP KE KG KH KM KN KP KR KW KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW