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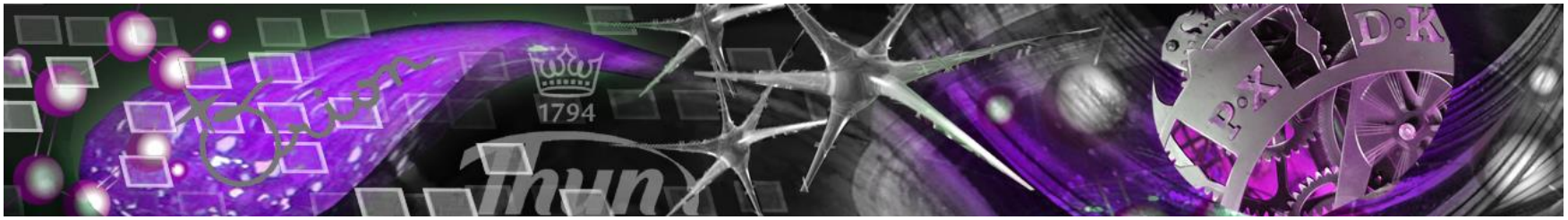
Hana Churáčková

Brno, MZK, 10. 4. 2019



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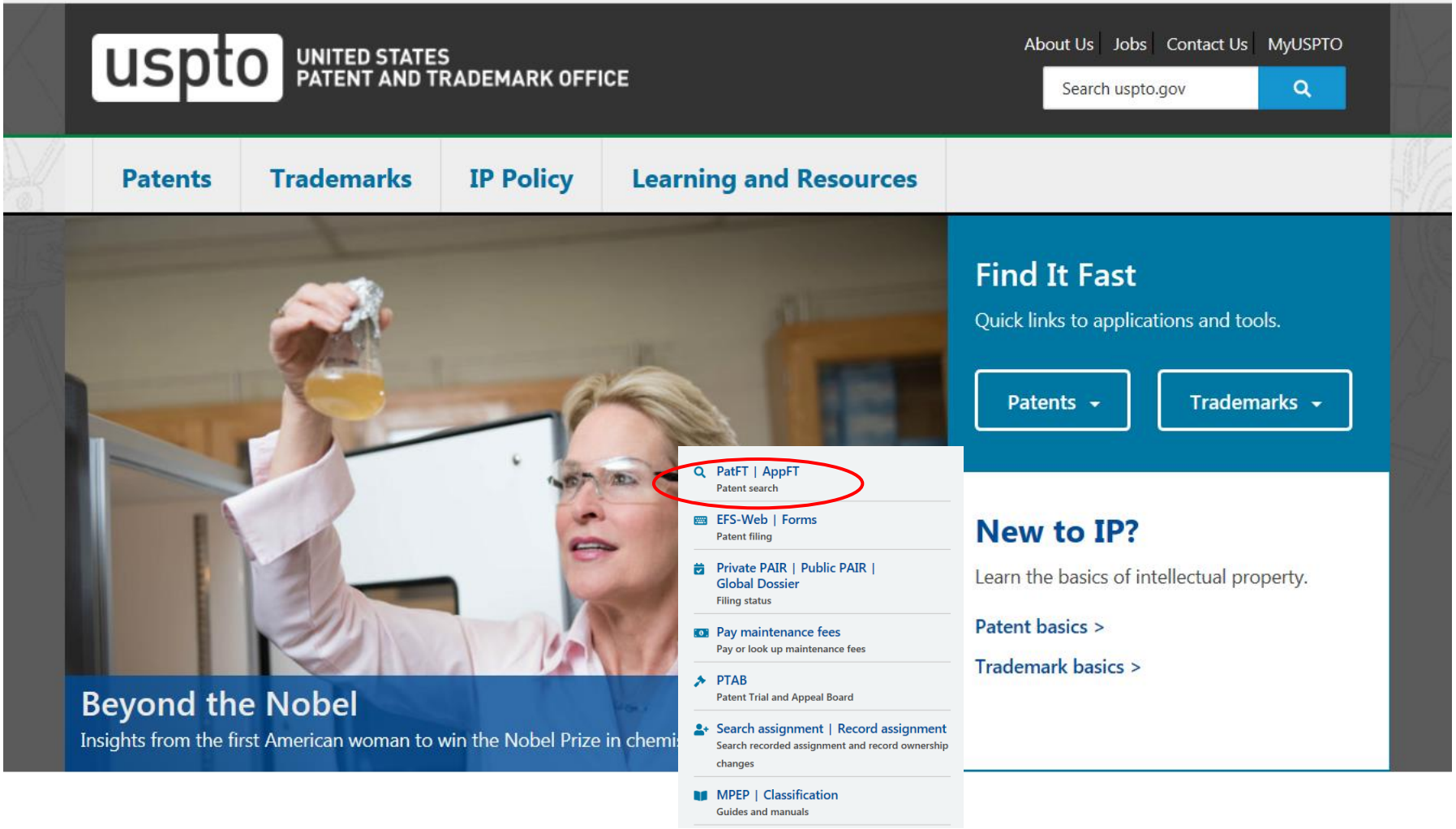

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AND

Term 2: car **in Field 2:** All Fields

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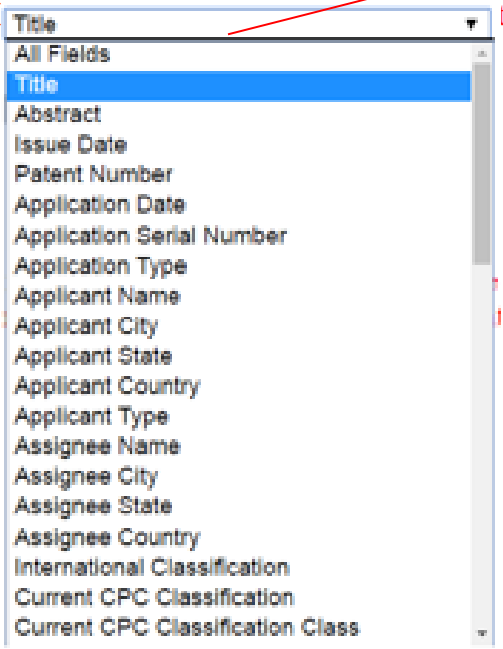

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- Výběr rešeršního pole
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Vyhledávání časových rozmezí:

např. Term 1: 11/1/1997 -> 5/12/1998 Field 1: Issue Date

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isd/1/8/2002 and motorcycle
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Field Code	Field Name
PN	Patent Number
ISD	Issue Date
TTL	Title
ABST	Abstract
ACLM	Claim(s)
SPEC	Description/Specification
CCL	Current US Classification
CPC	Current CPC Classification
CPCL	Current CPC Classification Class
ICL	International Classification
APN	Application Serial Number
APD	Application Date

Field Code	Field Name
IN	Inventor Name
IC	Inventor City
IS	Inventor State
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LREP	Attorney or Agent
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Refine Search ttl/needle ANDNOT ttl/((record and player) OR sewing

	PAT. NO.		Title
1	8,079,982	T	Injection catheter with needle electrode
2	8,025,673	T	Needle for use in reflexotherapy, and an applicator using the same
3	7,329,238	T	Safety needle medical bearing devices
4	7,201,731	T	Treatment device with guidable needle
5	7,128,280	T	Injection nozzle for internal combustion engines, which has an annular groove in the nozzle needle
6	7,090,656	T	Medical devices with retractable needle
7	7,070,583	T	Medical bevel needle
8	7,056,306	T	Fluid sampling device with retractable needle
9	7,048,718	T	Winged injection needle having needle covering means
10	7,014,622	T	Interchangeable needle safety syringe
11	6,783,509	T	Single-use needle-less hypodermic jet injection apparatus and method
12	6,749,595	T	Cement delivery needle
13	6,749,588	T	Catheter and introducer needle assembly with needle shield
14	6,743,206	T	Endoscopic needle
15	6,733,465	T	Holder for blood collection needle with blunting mechanism
16	6,730,061	T	Multiple hypodermic needle arrangement
17	6,719,721	T	Safety port needle assembly
18	6,712,793	T	Needle guard assembly for the needle of a syringe body

United States Patent **7,048,718**

Mithiue , et al. **May 23, 2006**

Winged injection ***needle having needle*** covering means

Abstract

A winged injection needle having a needle covering means used at treatments for infusion solution, blood transfusion and extracorporeal blood circulation, characterized by comprising a puncturing needle tube (206), a hub (208) for holding the base end of the needle tube, and a hollow needle housing member for permitting the hub to displace by sliding and to be housed in the entirely in its lumen, and by being provided with an erroneous puncturing prevention means satisfying the following three conditions: (1) the injection noodle can be easily and safety housed after use, (2) its construction is simple and easy to handle to permit easy production at low costs, and (3) it can be safely disposed of.

Inventors: **Mithiue; Tetutoshi** (Hirosima, **JP**), **Fujii; Shyouiti** (Izumo, **JP**), **Doi; Takashi** (Izumo, **JP**), **Okamoto; Takeshi** (Izumo, **JP**)

Assignee: **JMS Co., LTD** (Hiroshima, **JP**)

Family ID: **26550411**

Appl. No.: **10/089,325**

Filed: **September 27, 2000**

PCT Filed: **September 27, 2000**

PCT No.: **PCT/JP00/06633**

371(c)(1),(2),(4) Date: **July 12, 2002**

PCT Pub. No.: **WO01/23021**

PCT Pub. Date: **April 05, 2001**

Foreign Application Priority Data

Sep 27, 1999 [JP]	11-272845
Mar 17, 2000 [JP]	2000-077314

Current U.S. Class: **604/171**; 604/164.04

Current CPC Class: A61M 25/0631 (20130101); A61M 25/0637 (20130101); A61M 5/3243 (20130101)

Current International Class: A61M 5/00 (20060101); A61M 5/178 (20060101)

Field of Search: ;604/110,165.03,171,177,164.07,163,192,158,263,264

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5833670	November 1998	Dillon et al.

Foreign Patent Documents

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Claims

The invention claimed is:

1. A winged injection needle comprising: a needle tube for puncturing having a lumen, a base end, a terminus, a base end side and a forward end side opposite said base end side, a hub for retaining the base end of the needle tube, a hollow needle-housing member having left and right outer faces, a pair of flexible wings projectingly formed on the left and right outer faces of the hollow needle-housing member, and a guide tube joined to the hub, and wherein: (1) the hub is formed to have an arced curved shape including an upper part in the axial direction, wherein said upper part is formed from a middle part forming a maximum diameter in the axial direction and two side parts forming diameters gradually reduced from the maximum diameter, (2) the hollow needle-housing member is formed from a flexible material; (3) the hollow-needle-housing member has at least two expanded parts each formed with an inner surface and an outer surface corresponding to the inner surface expanding radially outward, wherein the expanded parts can house therein at least one part of an upper part of the hub; and (4) the two expanded parts are spaced via a reduced diameter part, wherein the reduced diameter part has a reduced inner and outer diameter.

2. The winged injection needle according to claim 1 wherein the rear end of the needle-housing member further includes a liquid drip prevention mechanism.

3. The winged injection needle according to claim 2 wherein the liquid drip prevention mechanism is a member separately provided on the rear end of the needle-housing member and capable of clamping the guide tube.

4. The winged injection needle according to claim 3 wherein the member capable of clamping the guide tube is a member having an opening capable of clamping the guide tube.

5. The winged injection needle according to claim 4 wherein the member capable of clamping the guide tube is provided on the side of the rear end of the needle-housing member, and the opening opens toward the forward end of the needle-housing member.

6. The winged injection needle according to claim 2 wherein the liquid drip prevention mechanism is a slit provided in the rear end of the needle-housing member.

7. The winged injection needle according to claim 1 wherein said hub has two side faces and both side faces of the hub have a straight shape.

8. The winged injection needle according to claim 1 wherein two of the expanded parts are provided in the vicinity of the forward end side and in the vicinity of the terminus of the hollow needle-housing member.

9. The winged injection needle according to claim 1 wherein the expanded parts have a shape housing substantially the entire upper part of the hub.

10. The winged injection needle according to claim 1 wherein the pair of flexible wings are upwardly foldable and have a flexibility and a length sufficient to cover the needle-housing member, and have an immovable attachment member allowing the wings to be immovably attached to each other after covering the needle-housing member.

11. The winged injection needle according to claim 1 wherein the guide tube has a liquid drip prevention mechanism.

12. The winged injection needle according to claim 1 wherein the pair of flexible wings and the needle-housing member are formed by molding as one piece using a flexible resin.

13. The winged injection needle according to claim 1 wherein the rear end of the needle-housing member further includes a liquid drip prevention mechanism.

Description

US007048718B1

(12) **United States Patent**
Mithiue et al.

(10) **Patent No.: US 7,048,718 B1**
(45) **Date of Patent: May 23, 2006**

(54) **WINGED INJECTION NEEDLE HAVING NEEDLE COVERING MEANS**

(75) Inventors: **Tetutoshi Mithiue**, Hirosima (JP); **Shyouiti Fujii**, Izumo (JP); **Takashi Doi**, Izumo (JP); **Takeshi Okamoto**, Izumo (JP)

(73) Assignee: **JMS Co., LTD**, Hiroshima (JP)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 513 days.

(21) Appl. No.: **10/089,325**

(22) PCT Filed: **Sep. 27, 2000**

(86) PCT No.: **PCT/JP00/06633**

§ 371 (c)(1),
(2), (4) Date: **Jul. 12, 2002**

(87) PCT Pub. No.: **WO01/23021**

PCT Pub. Date: **Apr. 5, 2001**

(30) **Foreign Application Priority Data**

Sep. 27, 1999 (JP) 11-272845
Mar. 17, 2000 (JP) 2000-077314

(51) **Int. Cl.**
A61M 5/00 (2006.01)
A61M 5/178 (2006.01)

(52) **U.S. Cl.** **604/171**; 604/164.04
(58) **Field of Classification Search** 604/110, 604/165.03, 171, 177, 164.07, 163, 192, 604/158, 263, 264
See application file for complete search history.

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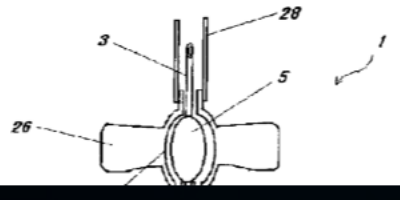
Primary Examiner—Nicholas D. Lucchesi
Assistant Examiner—Matthew F. DeSanto
(74) *Attorney, Agent, or Firm*—D. Peter Hochberg; Katherine R. Vieyra; William H. Holt

(57) **ABSTRACT**

A winged injection needle having a needle covering means used at treatments for infusion solution, blood transfusion and extracorporeal blood circulation, characterized by comprising a puncturing needle tube (**206**), a hub (**208**) for holding the base end of the needle tube, and a hollow needle housing member for permitting the hub to displace by sliding and to be housed in the entirely in its lumen, and by being provided with an erroneous puncturing prevention means satisfying the following three conditions: (1) the injection noodle can be easily and safety housed after use, (2) its construction is simple and easy to handle to permit easy production at low costs, and (3) it can be safely disposed of.

13 Claims, 9 Drawing Sheets



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Note: Utility Patent 10,000,000 will issue in 2018

The below patent types must have numbers entered as seven characters in length, excluding commas, which are optional. Examples:

Design -- D339,456 D321987 D000152
Plant -- PP08,901 PP07514 PP00003
Reissue -- RE35,312 RE12345 RE00007
Defensive Publication -- T109,201 T855019 T100001
Statutory Invention Registration -- H001,523 H001234 H000001
Additional Improvement -- AI00,002 AI000318 AI00007
X-Patents -- X011,280 X007640 X000001
Reissued X-Patents -- RX00116 RX00031 RX00001

United States Patent **D487,654**
Molteni **March 23, 2004**

Extensible table

Claims

The ornamental design for an extensible table, as shown and described.

Inventors: **Molteni; Daniele** (Cantu, **IT**)
Assignee: **Solage Holding S.A.** (Luxembourg, **LU**)
Appl. No.: **D/181,020**
Filed: **May 2, 2003**

Foreign Application Priority Data

Nov 8, 2002 [IT] AN2002O0025

Current U.S. Class: **D6/691.8**
Current International Class: 0603
Field of Search: ;D6/480-489,495,511 ;108/153.1,155,156,157.1,161,65,69,70,77,78,83 ;248/188,188.1,188.8

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D214741
D218903
D243983
D273448
D296057

Primary Examiner: Seeger; Janice E.
Attorney, Agent or Firm: Armstrong, Kratz, Quintos, Hanson & Brooks, LLP

Nov 8, 2002 [IT] AN2002O0025

Current U.S. Class: **D6/691.8**
Current International Class: 0603
Field of Search: ;D6/480-489,495,511 ;108/153.1,155,156,157.1,161,65,69,70,77,78,83 ;248/188,188.1,188.8

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D218903	October 1970	Chichester, Jr.
D243983	April 1977	Carter
D273448	April 1984	Colquhoun
D296057	June 1988	Rosen

Primary Examiner: Seeger; Janice E.
Attorney, Agent or Firm: Armstrong, Kratz, Quintos, Hanson & Brooks, LLP

Description

FIG. 1 is a left perspective view of an extensible table, showing my new design.

FIG. 2 is a right perspective view thereof.

FIG. 3 is a front elevational view thereof.

FIG. 4 is a rear elevational view thereof.

FIG. 5 is a right side elevational view thereof.

FIG. 6 is a left side elevational view thereof.

FIG. 7 is a top plan elevational view thereof; and,

FIG. 8 is a bottom plan elevational view thereof.

* * * * *

US00D487654S

(12) **United States Design Patent** (10) **Patent No.: US D487,654 S**
Molteni (45) **Date of Patent: ** Mar. 23, 2004**

(54) **EXTENSIBLE TABLE**

(75) Inventor: **Daniele Molteni**, Cantu (IT)

(73) Assignee: **Solage Holding S.A.**, Luxembourg (LU)

(**) Term: **14 Years**

(21) Appl. No.: **29/181,020**

(22) Filed: **May 2, 2003**

(30) **Foreign Application Priority Data**

Nov. 8, 2002 (IT) AN2002O0025

(51) **LOC (7) Cl.** **06-03**
(52) **U.S. Cl.** **D6/484**
(58) **Field of Search** D6/480–489, 495, D6/511; 108/153.1, 155, 156, 157.1, 161, 65, 69, 70, 77, 78, 83; 248/188, 188.1, 188.8

(56) **References Cited**

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D218,903 S	*	10/1970	Chichester, Jr.	D6/484
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D273,448 S	*	4/1984	Colquhoun	D6/485
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Primary Examiner—Janice E. Seeger
(74) *Attorney, Agent, or Firm*—Armstrong, Kratz, Quintos, Hanson & Brooks, LLP

(57) **CLAIM**

The ornamental design for an extensible table, as shown and described.

DESCRIPTION

FIG. **1** is a left perspective view of an extensible table, showing my new design.
FIG. **2** is a right perspective view thereof.
FIG. **3** is a front elevational view thereof.
FIG. **4** is a rear elevational view thereof.
FIG. **5** is a right side elevational view thereof.
FIG. **6** is a left side elevational view thereof.
FIG. **7** is a top plan elevational view thereof; and,
FIG. **8** is a bottom plan elevational view thereof.

1 Claim, 5 Drawing Sheets