GUJARAT TECHNOLOGICAL UNIVERSITY

(GTU)

INNOVATION COUNCIL (GIC)

Patent Search & Analysis Report

(PSAR)

Date of Submission : 25/09/2016

Dear **Jadeja Harshvardhansinh Ghanshyamsinh,**

Studied Patent Number for generation of PSAR	:	**16BE7_130430116043_3**

PART 1: PATENT SEARCH DATABASE USED

1. Patent Search Database used	:	Google Patents
Web link of database	:	https://patents.google.com/
2. Keywords Used for Search	:	Automatic Appointment,Appointment,Appointment scheduler
3. Search String Used	:	computer aided Appointment system
4. Number of Results/Hits getting	:	9999

PART 2: BASIC DATA OF PATENTED INVENTION /BIBLIOGRAPHIC DATA

5. Category/ Field of Invention	:	Computer/IT Engineering
6. Invention is Related to/Class of Invention	:	Computer aided appointment
6 (a) : IPC class of the studied patent	:	G06Q10/06314
7. Title of Invention	:	Graphical computer system and method for appointment scheduling
8. Patent No.	:	US5970466A
9. Application Number	:	US08944185
9 (a) : Web link of the studied patent	:	https://patents.google.com/patent/US5970466A
10. Date of Filing/Application (DD/MM/YYYY)	:	06/10/1997
11. Priority Date (DD/MM/YYYY)	:	06/10/1997
12. Publication/Journal Number	:	
13. Publication Date (DD/MM/YYYY)	:	
14. First Filled Country : Albania	:	United States

15. Also Published as

Sr.No	Country Where Filled	Application No./Patent No.
1		

16. Inventor/s Details.

Sr.No	Name of Inventor	Address/City/Country of Inventor
1	Ronald A Detjen	Berlin
2	William R Randolph	Menasha, both of Wis

17. Applicant/Assignee Details.

Sr.No	Name of Applicant/Assignee	Address/City/Country of Applicant
1	ImproMed Inc	, Oshkosh, Wis.

18. Applicant for Patent is : Company

PART 3: TECHNICAL PART OF PATENTED INVENTION

19. Limitation of Prior Technology / Art

manual system are the worst compared to the modern era.

20. Specific Problem Solved / Objective of Invention

A computer program stored in a storage medium and a computer-implemented method for scheduling appointments for an office or business includes program code for displaying screen displays on a computer monitor, including a day view screen display (18) with a plurality of thermometer-style schedules (43) having a vertical bar graph (44) opposite a daily appointment file (45) having multiple rows for entering appointment data. A horizontal scroll bar (48) allows the schedules to be displayed over a distance that is wider than a display area on the screen. The vertical bar graph (44) includes color-coded bars (47) to signify the status of appointments as: i) prior to check-in, ii) after check-in and iii) canceled appointments. In a "day view" schedules are arranged by selecting a group from a group list (24). The appointments can be predetermined as to type and duration, and a scheduler can refer to a list (63) of such pre-configured appointments (65) in scheduling patients. Various types of color-coding arrangements and icons are provided for patient status.

21. Brief about Invention

Computer programs for appointment scheduling have been known in the art. Such programs have been provided for use by users to make their own respective schedules. There has not been a program in which one or more staff members can schedule appointments for a group of professionals or for a group of facility or equipment resources.

In the field of veterinary medicine, as in other medical fields, there is a need to schedule appointments for veterinary doctors and other veterinary professionals and resources in a group practice over days, weeks and months of the year.

22. Key learning Points

The invention also allows for weekly views of a plurality of schedules for a selected person or resource, and a monthly view of all appointments for the month, or for a specific date in the month for a specific group or resource.

The invention further provides for sorting of the appointment file, and for convenient modification of appointments using a pop-up menu.

The invention further provides for displaying a patient dialog box including identification of multiple patients, and a color designating overall status of the patient, a health warning icon for any health warning conditions and a plurality of status icons representing status of certain medical conditions associated with an individual patient.

The invention further provides a "month view" screen display including a monthly calendar showing the number of appointments for each day, a file of appointments organized in columns by field, and radio buttons responsive to user inputs for listing all appointments for the month or for listing appointments by at least one of: by day, by group and by resource. In response to a right hand button mouse click, a pop-up menu is displayed for modifying appointments in the appointment list

23. Summary of Invention

The invention provides a computer-implemented method and computer program for displaying a plurality of schedules for a corresponding group of persons or resources, each schedule including i) a title bar identifying the individual or resource, ii) a vertical time graph extending over at least one day having colored bars corresponding in color and length to corresponding types and lengths of appointments, respectively, and iii) a plurality of appointment rows corresponding to time slots available for appointments during the day.

The invention also allows entry of standardized appointment types by name, group and duration. When scheduling appointments, a scheduler can select from a list of appointment types and use the pre-defined duration to set an end time in relation to a desired start time for the appointment.

In a further aspect of the invention, the plurality of schedules in the selected group are displayed horizontally on a page having a width that is greater than the width of a display area of the computer screen, and a horizontal scroll bar for the group of appointment schedules is provided to allow scrolling across the plurality of schedules.

24. Number of Claims : 28

25. Patent Status : Published Application

26. How much this invention is related with your IDP/UDP?

< 70 %

27. Do you have any idea to do anything around the said invention to improve it? (Give short note in not more than 500 words)

computer aided appointment system must be upgrade as with upgradation of the computer system