



New PatBase Interface for faster navigation

PatBase has a brand new interface which incorporates larger and bolder fonts in crisp colours with useful shortcuts at your fingertips. A **new welcome screen** has been introduced providing quicker access to the helpdesk, guides, training videos and updates on latest enhancements, as well as a list of **'My Items'**, which displays direct links to your saved data.

The screenshot displays the PatBase web application interface. At the top, the PatBase logo is on the left, and the user's login information (Username: lan@minesoft.com, Subaccount: none) is on the right. Below this is a navigation bar with tabs for Menu, Search, History, Session, 47b_(Share...), Order, Help, and Logoff. The main content area is divided into two columns. The left column features a 'Welcome to the new look PatBase' message, followed by 'Getting Started' and 'My items' sections. The 'Getting Started' section includes links for 'Begin searching', 'Search and display options', 'Contact helpdesk', 'Watch training videos', 'Sign up for a live webinar', and 'What's new'. The 'My items' section includes links for 'My saved searches', 'My saved histories', 'My saved folders', 'List / manage alerts', 'Recent offline exports', and 'View my usage'. Below these is a 'Tip of the Week' section with a lightbulb icon and the text: 'Access your archive of recent offline exports found under 'My items'. No need to retrieve the email!'. The right column has tabs for 'Information' and 'Shortcuts', and a 'General information' section with links for 'PatBase coverage', 'PatBase user news', 'Quick guide', 'Last update', 'Help', 'PatBase manual', 'Contact helpdesk', and 'PatBase tutorial videos'. At the bottom of this section, it says 'European PatBase courses for new and existing users, please click here for more information'.

This new look and layout with additional features and enhancements has been smartly designed, requiring fewer clicks and providing better display options at a glance. Patent data can be retrieved and analysed more efficiently. All in all, it has just become a lot easier and faster for you to navigate within PatBase.

PatBase has been developed in partnership by



Alongside the new PatBase interface a multitude of new features and enhancements include:

Improved functionality and display of Advanced Highlighting

This is now accessible via the toolbar when required and has increased functionality which has been standardised across all display views (including folder result displays).

A new 'Hit Analyser' indicates the frequency of keywords occurring per publication. Proximity and Boolean operators can be used in conjunction with Advanced Highlighting to pick out key words in relation to each other. Overall, the highlighting is more sophisticated, providing better visibility of keywords and analysis of results.

Full text view KWIC: submit **Advanced Highlighting**

View biblio. **Hit Analysis**

Publication	GOLF	BALL			
JP2006320725A (Title/Abstract)	2	2			
US2006264269A (Title/Abstract)	2	2			
US2006264269A (Claims)	20	20			
US2006264269A (Description)	115	115			
US2008113829A (Title/Abstract)	2	2			
US2008113829A (Claims)	14	14			
US2008113829A (Description)	115	115			
US2010130308A (Title/Abstract)	2	2			
US2010130308A (Claims)	19	19			
US2010130308A (Description)	115	115			
US7320649B (Title/Abstract)	2	2			
US7320649B (Claims)	20	20			
US7320649B (Description)	115	115			
US7654915B (Title/Abstract)	2	2			
US7654915B (Claims)	14	14			
US7654915B (Description)	115	115			

Legend
 GOLF
 BALL

JP2006320725A
 Title/Abstract (4)
 Non Latin text

US2006264269AA
 Title/Abstract (4)
 Claims (40) **smart**
 Description(230)

US2008113829AA
 Title/Abstract (4)
 Claims (28) **smart**
 Description(230)

US2010130308AA
 Title/Abstract (4)
 Claims (38) **smart**
 Description(230)

US7320649BB

PatBase **Advanced Highlighting**

Menu Search

Search 2: "(TAC=(golf club head))"

Display format: Classic

Print Save/export

1) Family number: 14960002

Title: [EN] Methods for designin

Abstract: Source: US6186905B such methods. A location for a ce golf club head are selected, and the selected center of gravity loca directions.

Classifications: Classification Ex...
 International (IPC 8-9): A63B53/04 (Advanced/Invention);

Advanced Highlighting

Advanced Highlighting enables highlighted keywords to be grouped by colour.

Please enter the words you wish to highlight in the appropriate colour boxes separated by a space.

fastener

adjustable

club wf2 head

Apply Clear

Multi Window Support synchronises different views, including Full-Text and Citations, within multiple pop-ups across a single data set when using keyboard shortcuts. This means that as you analyse data within one window, the corresponding data in other windows will automatically shift to display the active record.

Full text view | Advanced Highlighting | Edit | Cancel

Hit analysis

Publication	2	16	158	396	16	238	392
AU199859284A (Title/Abstract)	2	16	158	396	16	238	392
US6186905B (Title/Abstract)	2	16	158	396	16	238	392
US6186905B (Claims)	2	16	158	396	16	238	392
US6186905B (Description)	2	16	158	396	16	238	392
WO9831434A (Title/Abstract)	2	16	158	396	16	238	392
WO9831434A (Claims)	2	16	158	396	16	238	392
WO9831434A (Description)	2	16	158	396	16	238	392

Legend

- fastener
- adjustable
- club w/2 head

Other titles(2)

AU199859284A
Title/Abstract 2
Improved methods for designing golf club heads

US6186905B
Title/Abstract 16
Methods for designing golf club heads

Methods for designing golf club heads and inertially tailored golf club heads designed in accordance with such methods. A location for a center of gravity (CG) of a golf club head and magnitudes and directions of the principal moments of inertia of the golf club head are selected, and mass is distributed within the golf club head such that the center of gravity of the golf club head is located at the selected center of gravity location, and such that the principal moments of inertia of the golf club head have the selected magnitudes and directions.

Claims 158

A method of designing a golf club head said method comprising: selecting a location for a center of gravity of the golf club head selecting magnitudes and directions for a set of principal moments of inertia of the golf club head said principal moments of inertia defining a maximum moment, a minimum moment and an intermediate moment of inertia and being oriented along orthogonal axes intersecting at said location of said center of gravity; orienting a principal axis associated with the maximum moment of inertia such that an inertia loft angle of the golf club head is less than the geometric loft angle of the golf club head and distributing mass within said golf club head such that the center of gravity of the golf club head is located at said selected location, and such that the principal moments of inertia of the golf club head have said selected magnitudes and directions The method of claim 1, wherein said step of distributing mass within the golf club head includes the steps of using a first material having a first density to define a first portion of the golf club head and using a second material having a second density greater than said first density to define at least one additional portion of the golf club head A method of designing a golf club head said method comprising: selecting a location for a center of gravity of the golf club head selecting magnitudes and directions for a set of principal moments of inertia of the golf club head said principal moments of inertia defining a maximum moment, a minimum moment and an intermediate moment of inertia and being oriented along orthogonal axes intersecting at said location of said center of gravity; orienting a first principal axis in a horizontal plane and pointing in a direction perpendicular to a face of said golf club head; orienting a second principal axis in a vertical plane and pointing in a direction ranging from vertical to a direction parallel to a shaft lie axis of said golf club head; orienting a third principal axis in a direction orthogonal to said first and second principal axes; and distributing mass within said golf club head such

Patbase citation | Enter a number | Search selected | Tree view

Family: [All] | 14960002

Other citations by US6186905

Select all
All 14960002: Select all (backward)

- EP0377673 view
- JP5057034 view
- US2231847 view
- US3703824 view
- US3941390 view
- US4420156 view
- US4802672 view
- US4840380 view
- US4887815 view
- US5018382 view
- US5046733 view
- US5131986 view
- US5224705 view
- US5275412 view
- US5309753 view
- US531296 view
- US5335914 view
- US531953 view
- US5366223 view
- US5447309 view
- US5528927 view
- US5616086 view
- US562898 view
- US569824 view
- US5836830 view

Patents citing (forward)
All 14960002: Select all (forward)

- US6547678B view
- US6572489B view
- US6669580B view
- US6700000 view

1) Family number: 14960002 (US6186905B)

Title: Methods for designing golf club heads

Abstract: Source: US6186905B Methods for designing golf club heads designed in accordance with such methods. A location for a center of gravity (CG) of a golf club head and magnitudes and directions of the principal moments of inertia of the golf club head are selected, and mass is distributed within the golf club head such that the center of gravity of the golf club head is located at the selected center of gravity location, and such that the principal moments of inertia of the golf club head have the selected magnitudes and directions.

Classifications:
International (ipc 8-4): A63B53/04 (Advanced Invention); A63B53/04 (Core/Invention)
International (ipc 8-7): A63B53/04
European: A63B53/04
US: 473/291 473/314 473/349
JP F-Term: 2C002 2C002/LL01 2C002/SS01 2C002/SS04
JP F-Index: A63B53/04/B A63B53/04/E

Family:

Publication number	Publication date	Application number	Application date
AU199859284 A1	19980807	AU19980059284	19980121
JP2001509718 T2	20010724	JP19980534724T	19980121
US6186905 BA	20010213	US19970787202	19970122
WO9831434 A1	19980723	WO1998US01255	19980121

Priority:
US19970787202 19970122 WO1998US01255 19980121

Assignee(s): (us): CALLAWAY GOLF CO

Assignee(s): (us): GENERAL ELECTRIC CAPITAL CORP.; CALLAWAY GOLF COMPANY

Inventor(s): (us): KOSMATAK JOHN B

Inventor(s): JOHN B KOSMATAK

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CZ DE DK EE ES FI FR GA GB GE GH GM GN GR GW HU ID IL IS IT JP KG KR KZ LC LR LS LT LU LV MC MD MG MK ML MN MR MW NX NE NL NO NZ PL PT RO RU SD SE SG SI SK SL SN SZ TD TJ TM TR TT UA UG UZ VN YU ZW

In addition to this, 'Pinning' of popups enables you to fix the position and size of the window as required. Therefore, you can display multiple windows across a single screen simultaneously (or more than one screen), for in-depth analysis with minimum effort.

An 'Optimise' tool is accessible directly from search queries listed on the History page, which gives an immediate break down of a data sample according to top Companies, Technologies, Dates and Countries. This allows you to filter out relevant results.

Optimise / refine results (Search 2)

Companies

Technologies (Topic Finder)

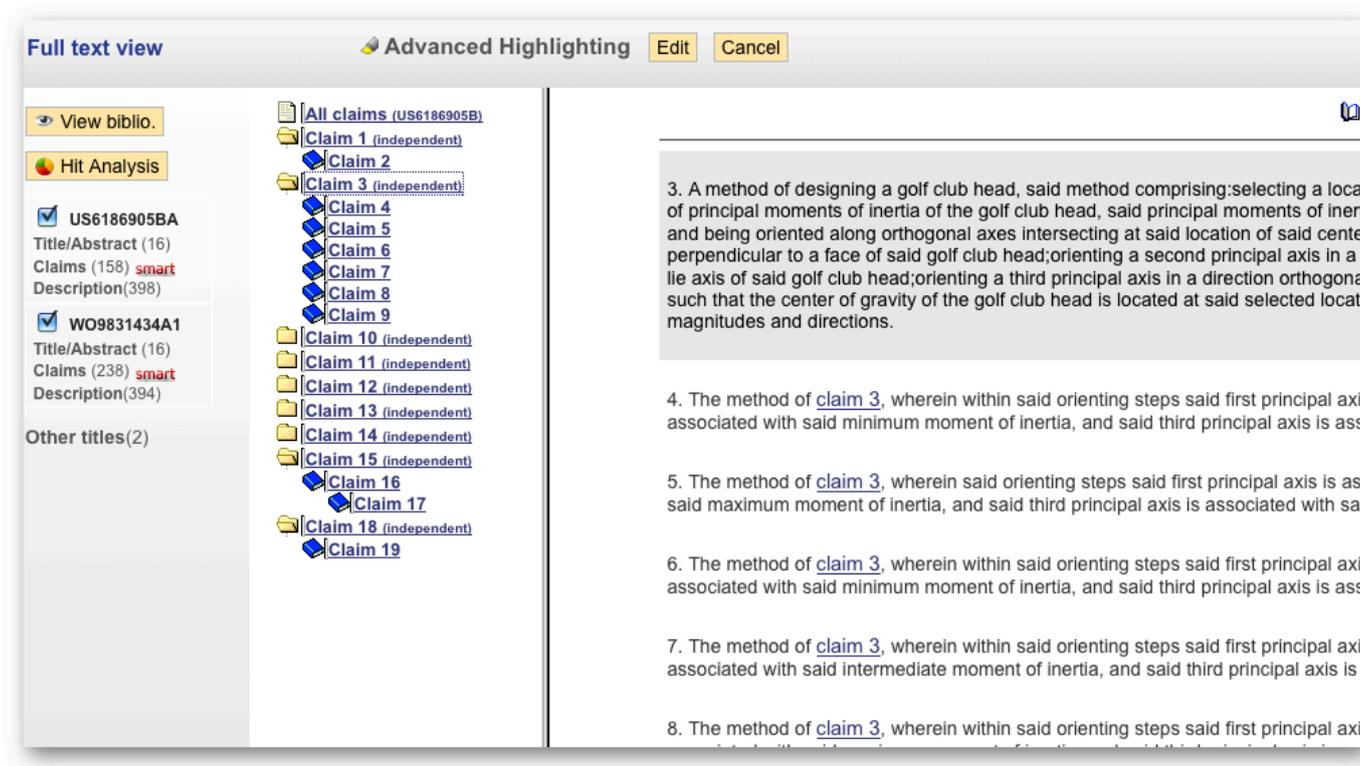
- Sports; games; amusements (100%)
- Machine tools; metal-working not otherwise provided for (10%)
- Working of plastics; working of substances in a plastic state in general (5%)
- Layered products (5%)
- Metallurgy; ferrous or non-ferrous alloys; treatment of alloys or non-ferrous metals (5%)
- Educating; cryptography; display; advertising; seals (5%)
- Basic electric elements (5%)
- Electric techniques not otherwise provided for (5%)

Optimise Search

Publication dates

Countries

The 'Smart claims viewer' has been extended to include publications from more countries so that users instantly have an overview of the structure of claims and can easily identify and view independent claims. Translation and highlighting tools can be accessed directly when needed, without having to open up the 'Full Text' view.



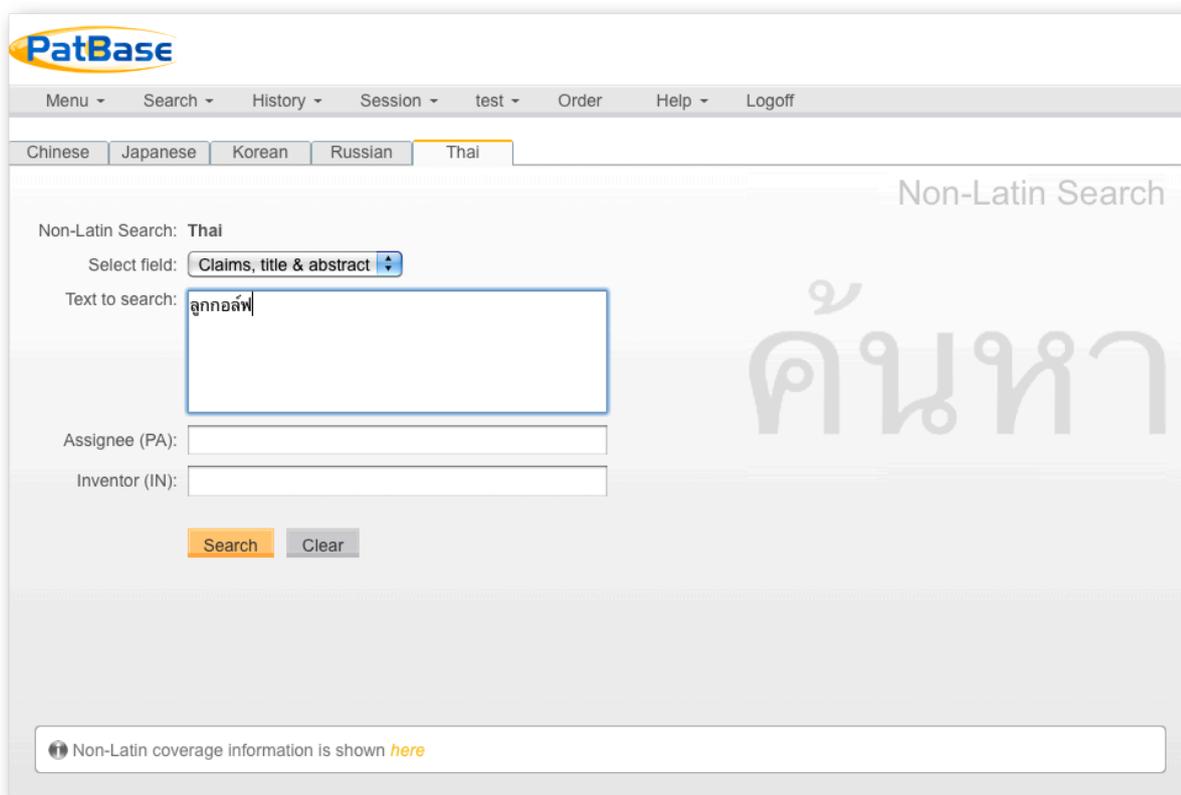
New Citation Tree display – The relationship between backward and forward citations is clearer and easier to work with. It is also possible to drill down within publications within the tree for additional information.

New Classification Explorer displays an overview of the structure and definitions of classifications applied to a family across the IPC, ECLA, UC and JCT classification schemes.

The Custom Display Format allows you to include an 'Image' view to display the image mosaics. Bookmarks for PDFs have been made available wherever possible.

New Search options

Non-Latin keyword, inventor and assignee searches can now be run directly from the command line and languages have been extended to include Japanese, Chinese, Korean, Russian and Thai.



PatBase

Menu Search History Session test Order Help Logoff

Chinese Japanese Korean Russian Thai

Non-Latin Search

Non-Latin Search: Thai

Select field: Claims, title & abstract

Text to search: ลูกบอล

Assignee (PA):

Inventor (IN):

Search Clear

Non-Latin coverage information is shown [here](#)

The **'Examples' field within the description of a publication can be searched** using the command line (e.g. using the command EX=sodium) and a 'Superclass' search can be run directly from the Search Form available in PatBase, which covers all classifications.

New Alert options



PatBase Alert results can also be received as RSS feeds. An additional link to set this up is available in the alert results email and requires an RSS reader.

A new advanced option is available when creating alerts, which will alert you to when the first Assignee or IPC or an English abstract is added to a family. **'Alert results viewer'** has been **enhanced** to enable you to search and locate records of particular interest. A 'Snapshot' breakdown is available for an instant analysis of alert results by date, country, assignee and classification. Results can be exported directly into Excel and PDF.

Folder enhancements

The 'Folder Highlighting' has been updated to work in the same way as the Advanced Highlighting described above. The access, display and management of Folders work much faster. The layout of additional data such as Folder descriptions and notes is clearer and easier to use.

The screenshot shows the PatBase interface with a folder view for 'test' (1-4 of 4). The interface includes a navigation menu, search bar, and various action buttons like 'print folder', 'export folder', 'add to history', 'folder description', 'view snapshot', and 'publish folder'. A modal dialog titled 'add family note' is open, showing a note by 'ian@minesoft.com' dated 5 Nov 2010 with the text 'Testing'. There is a text input field for 'Notes to add' and a 'Save note' button. The background shows a patent abstract and classification details for a work platform for an overhead crane.

New export options

Agent data, where available, can now be included in the CSV results export format. When exporting results by publication, US publications will have corresponding US assignee and classification data displayed in a friendlier layout.

New INTELLIXIR export: users can now choose to export PatBase results directly into Intellixir, the patent analysis tool.

Improved Account Management

Administrators set up to manage other PatBase users within an account can do so easily by sorting and viewing users according to useful criteria, which makes working with a large number of users much simpler. An extra field for comments has been added and the display has been improved significantly, to allow much better management of user IDs.

The screenshot shows the 'Manage users' interface in PatBase. It displays the number of users allocated (115) and the current number of users (30). There is an 'Add a new user' button and instructions on how to modify or delete users. A table lists users with columns for UserID, User Name, Notes, and Administrator. The table includes a search bar and action links for each user.

UserID	User Name	Notes	Administrator	
User 10	user10@example.com	Add Notes	True	Delete Change Password More Options
User 11	user11@example.com	Add Notes	True	Delete Change Password More Options
User 12	user12@example.com	Add Notes	False	Delete Change

Improved Country Coverage - [Click here](#) to view extended coverage and improved table.

The list above is by no means exhaustive. Please contact the HelpDesk if you have any questions on enhancements or need any assistance getting started with the new PatBase interface.

Email: support@minesoft.com