

PUBWEST INTRODUCTION – USING THE BEST FEATURES TO HELP USERS FIND INFORMATION

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Patent and Trademark Depository Library Program
April 2005

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March 2010
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A customer walks into a PTDL...



Do you have a technical background in the field of his invention?

Do you have any previous experience with searching patents?

Do you know the basic content of a patent?

Does you know why you should search prior art?

Do you know how long a thorough patent search can take?

Do you use Google for searching keywords?

Are you computer literate?

**Needs a patent and knows the patent number
(least time)**



Needs a patent and knows the inventor or company name

**Needs to do a patent search
(most time)**

```
graph TD; A[Which database?]; A --- B[USPTO Web?]; A --- C[Cassis?]; A --- D[PubWEST?];
```

Which database?

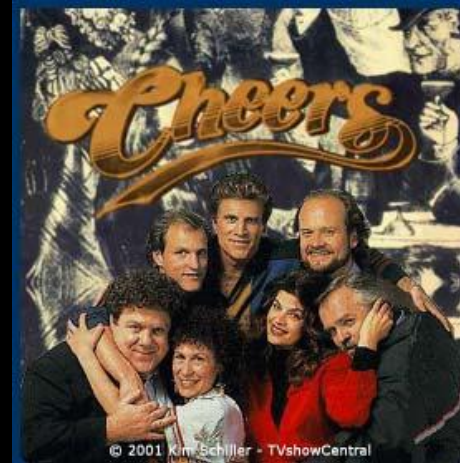
USPTO Web?

Cassis?

PubWEST?

PubWEST

- Not a “pub” like in



- Not a product of

Westlaw®

PubWEST

Web-based
Examiner's
Search Tool

- an internal USPTO database for use by US patent examiners and patent searchers.

"Public"
version of
WEST

- offered only in the Public Search Facility and PTDLs.

Patent and Trademark Depository Libraries provide:

Access to
patent and
trademark
information
to the public

Access to
PubWEST
for five
subscribers
in the
Engineering
Libraries

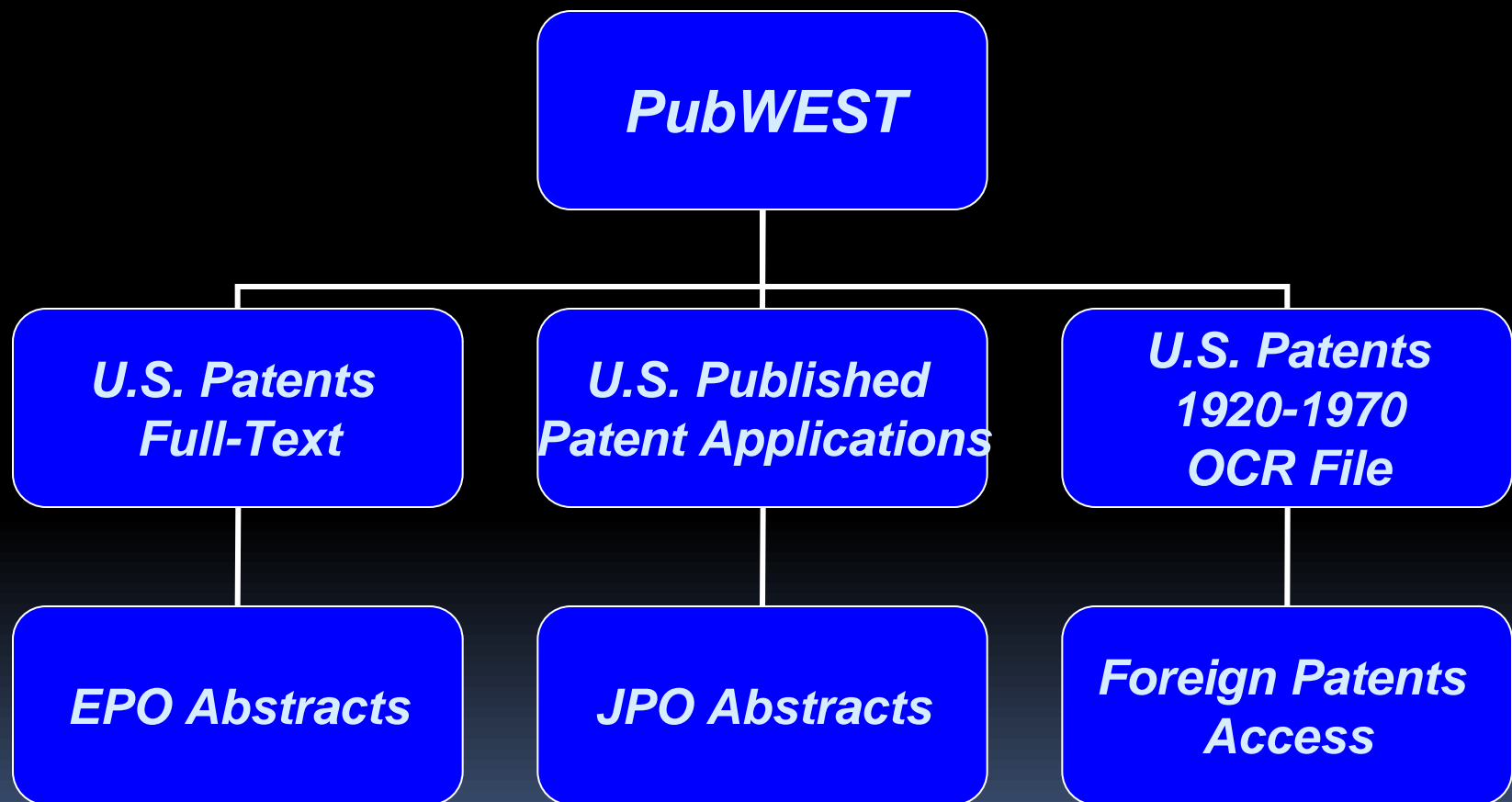
- Please make an appointment with Charlotte

Cassis
software on
workstation
in the
Engineering
Library
(presently IT
is working
on it)

Instruction
for using the
USPTO
Public Web
Site,
especially its
databases
and other
topics

Copies of
issued
patents and
pre-grant
publications
(also known
as published
applications)
from DVDs

PubWEST is a Collection of Patent Databases



Default Search Form

- Freeform Search Screen

Freeform Search

Database:

Term:

Display: Documents in **Display Format:** Starting with Number

Generate: Hit List Hit Count Side by Side Image

Search History

DATE: Saturday, February 18, 2006 [Printable Copy](#) [Create Case](#)

Set Name Query Hit Count Set Name
side by side result set

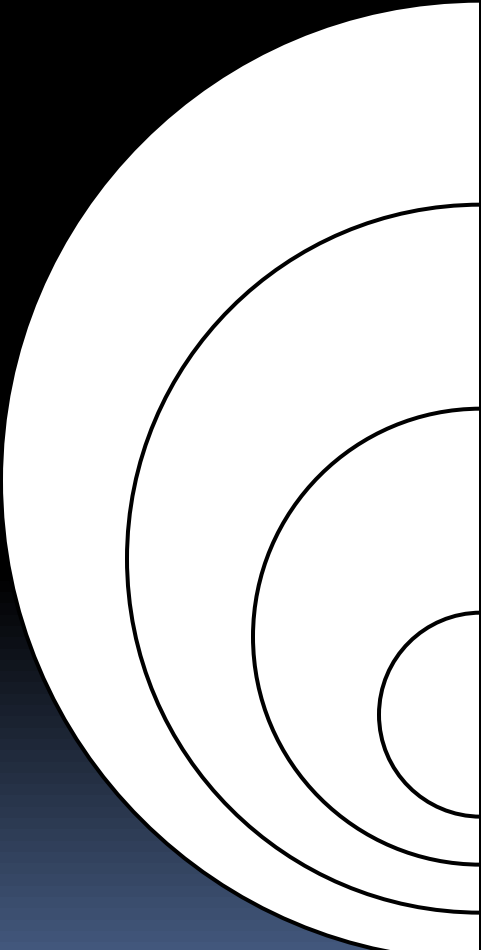
Structured vs. Freeform Search

For many users, the Structured Search Form may be enough for their searches.

Freeform Search Form allows complex searches using multiple terms which then can be nested.

- (ball or baseball or projectile) and (reflect??? or shiny or fluorescent)
- If fields are not used, it searches the whole record.

Erdmann Recommended Defaults



Number of records displayed	<ul style="list-style-type: none">• Change to 100
Default Database	<ul style="list-style-type: none">• Pre-Grant Pubs• U.S. Patents Full-Text
Default Operator	<ul style="list-style-type: none">• Default is ADJ
Search plurals	<ul style="list-style-type: none">• Change to ON

User Profiles

- User Profiles provide custom tailoring of searches and results

Edit WEST User Profile for User: *tturner*

Number of Documents to be Displayed

Starting Record to Display

Default Database

Number of Dictionary/Thesaurus Terms to Display

Search Plurals

Relevance Ranking

Search History Order

Show Search Details

Default Search Operator

Default Thesaurus

Initial Search Page

Side by Side Text Frame Sizing (percent)

Database Dependent Settings

DB Name	Display Format	Display Format for Side By Side	Search Limit Clause
US Pre-Grant Publication Full-Text Database	<input type="text" value="CIT"/>	<input type="text" value="FRO"/>	<input type="text" value="[NONE]"/>
US Patents Full-Text Database	<input type="text" value="CIT"/>	<input type="text" value="FRO"/>	<input type="text" value="[NONE]"/>
US OCR Full-Text Database	<input type="text" value="CIT"/>	<input type="text" value="FRO"/>	<input type="text" value="[NONE]"/>
EPO Abstracts Database	<input type="text" value="CIT"/>	<input type="text" value="FRO"/>	<input type="text" value="[NONE]"/>

PubWEST Advantages

Multiple
database
searching
possible
when share
fields

- U.S. Full-Text Patents and Pre-Grant Publications can be searched at same time
- Not possible on USPTO web

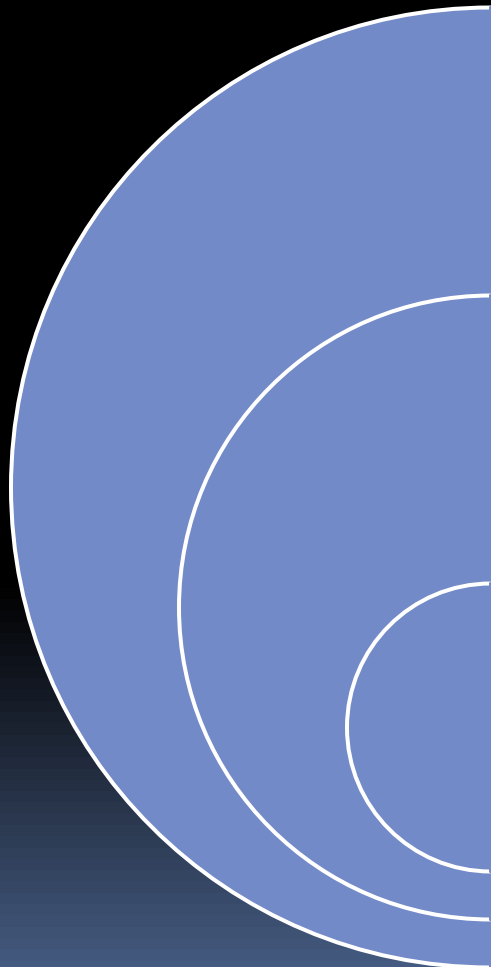
Multiple Database Searching

- Example: Pre-Grant Publications (Published Applications) and Patents Full-Text (Issued Patents)
- Hold down CTRL key to select additional databases.

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database

Typical Boolean Operators



AND	<ul style="list-style-type: none">• trap and mouse
OR	<ul style="list-style-type: none">• mouse or mice or rat
ANDNOT	<ul style="list-style-type: none">• trap not cattle

Public USPTO Web Site

Phrase

"mouse trap"

Current Class

ccl/43/69 or ccl/43/70

Truncation

gravit\$

- Keywords gravitation, gravities, gravity
- Whole class ccl/43/\$

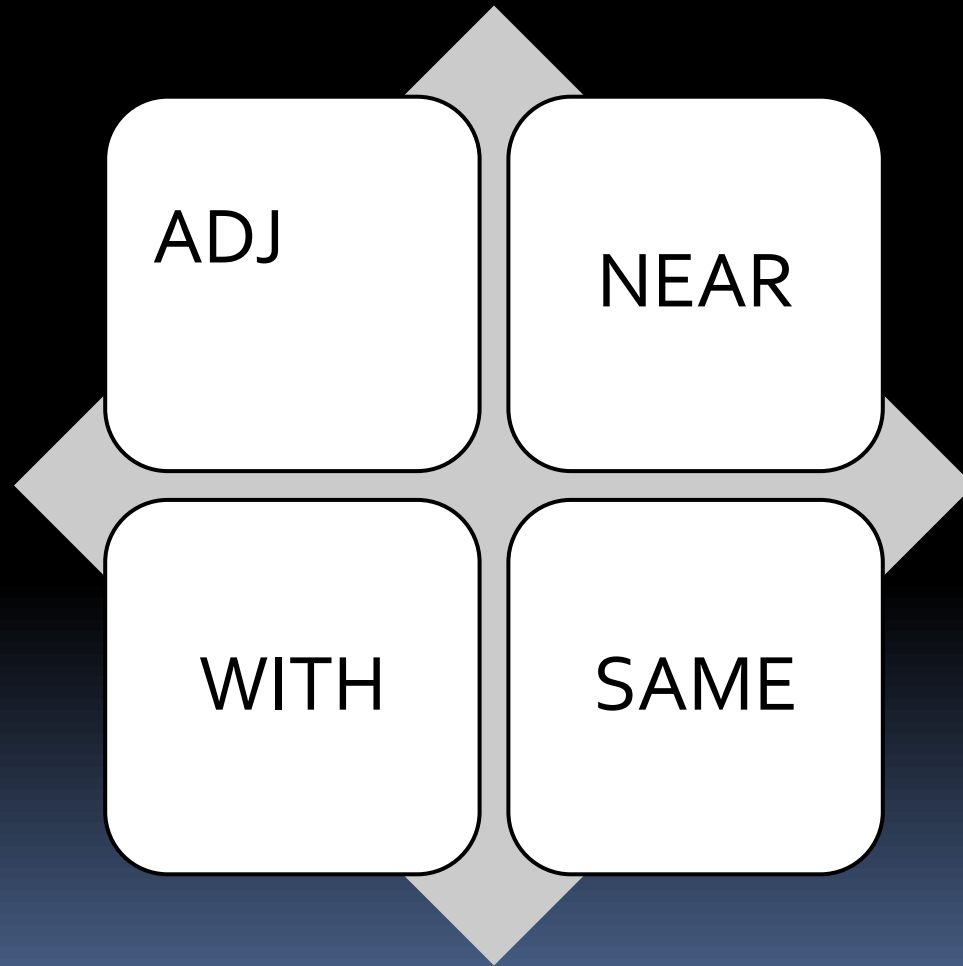
Inventor

in/tao-bernard\$

Assignee

an/purdue-research\$"

PubWEST Proximity Operators



Proximity Examples

- mouse adj trap

Specific order

- emission near control

Either order

- mouse near₄ trap

Either order with up to 4 words between

- pollution with control

Same Sentence

- process same gold same jewelry

Same paragraph

Truncation (wildcard)

Basic wildcard \$

Read help or manual for details

Use options for special features:

End

Beginning

Inside

Wildcard Examples

Keyword

- Root `pollut$`
- Root with number `pollut$4`
- Inside `a?sorption`
- Beginning `??sorption`

Classification

- `43/$(ccls)` whole class

Three Power Searches

First search

- (ball of baseball or project???) and (shiny or fluorescent)

Second search

- 2009[PY] OR 2008[PY]

Third search

- L1 not L2

Power Searching with Set

- Searches are saved in set numbers that can easily be combined without typing the whole search all over again.

<u>L3</u>	L1 not L2	33432
<u>L2</u>	(2009)[PY] OR (2008)[PY]	335211
<u>L1</u>	(ball or baseball or projectile) and (reflect??? or shiny or fluorescent)	37535

Classification Searching is Simpler

Classification tools are best used on the USPTO public web site

- Index
- Schedules
- Definitions

Standard practice is to search by current classification

- No other system makes it as easy as PubWEST

Search by multiple class/subclass(es) is straight forward

- 43/64-72 [ccls]
- 43/\$ [ccls]
- 43/64,72 [ccls]

Assignee Search Helps

Access to
Thesaurus
for aid in
Assignee
names

- More up to date than Assignee Code on Cassis Patents Bib on workstation
- Not on USPTO web

Printing Is Faster with Fewer Clicks

Ability to print a multiple page patent in a few keystrokes

Printing One Page at a Time on Public Site (TIFF)

Display Formats

Many
choices for
PubWEST

Patent-Title
only on
USPTO Web

Key Word in Context (KWIC) Display

Text display choice
can be Key Word in
Context

Displays only
paragraph(s) with
search term(s)

Saves valuable time
spent scrolling

Key Word in Context (KWIC)

- Example: computer mouse

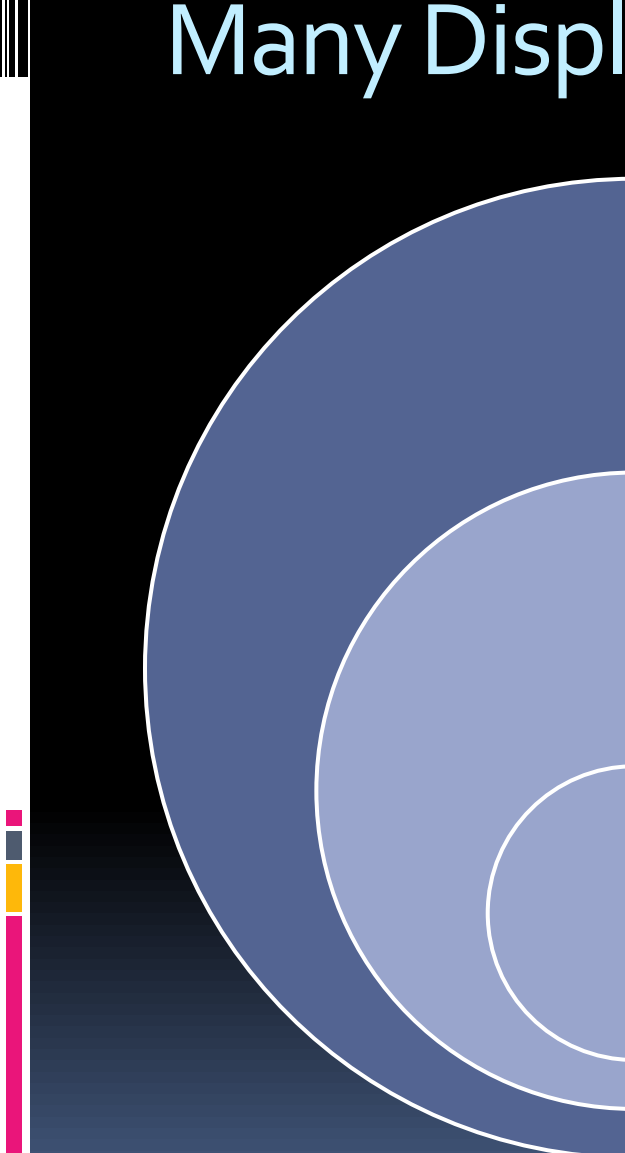
Description Paragraph (23):

The advantage of this is that the secretary did not have to go through a number of key operations of the "arrow" keys in order to position the text cursor TC at the position of the incorrect word, which would have been very time-consuming. Likewise, in order to position the text cursor TC, the secretary did not have to reach for a computer mouse not shown in FIG. 1, which would also have been time consuming.

Description Paragraph (28):

It may be observed that the cursors could also be synchronized by operation of the foot switch or a computer mouse. Likewise it would be possible to synchronize the text cursor TC continuously and automatically with the audio cursor AC so that, when editing information EI is entered, the current position of the audio cursor AC would also be the same as the position of the text cursor TC.

Many Display Formats



Patents can be displayed in one window or two windows

- Title list with classification in first window
- Patent Image in a second window.

A new format is called Grid and can be download in Excel

- Default fields are set up but can be changed
- Fields are limited to basic information and abstracts

Display format can be set in profile or changed as needed

- Learning curve to set up in profile

New Grid Display Allows Downloads and Easy Reviewing

Back Reference: L1 - Microsoft Internet Explorer provided by USPTO

L1: Records 1 through 200 of 1132


Next Page > Select All Generate Collection

Download Selected Help Close Window

Sel	U	Doc ID	DBNM	Pub Date	Title
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7543353 B2	USPT	20090609	Blade for windshi of automobile
<input type="checkbox"/>	<input type="checkbox"/>	US 7540062 B1	USPT	20090602	Structure for array combinational typ windshield wiper
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7540061 B1	USPT	20090602	Array combinatio windshield wiper
<input type="checkbox"/>	<input type="checkbox"/>	US 7535190 B2	USPT	20090519	System and meth controlling a wind system
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7528731 B2	USPT	20090505	System and meth mitigating drive d and/or drowsines illuminated winds
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7523523 B2	USPT	20090428	Windshield wiper scraper
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7509704 B2	USPT	20090331	Wiper blade
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7503615 B2	USPT	20090317	Window wiping d particularly for a r vehicle
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7503095 B2	USPT	20090317	Non-bracket winc wiper
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7503094 B2	USPT	20090317	Windscreen wipe
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7481596 B2	USPT	20090127	Connector which join a windscreen to a wiper blade
<input type="checkbox"/>	<input checked="" type="checkbox"/>	US 7461429 B2	USPT	20081209	Vehicle windshiel

Image Browser - Microsoft Internet Explorer provided by USPTO

Mark All Sections Print



US007535190B2

(10) **United States Patent** (10) **Patent No.:** **US 7,535,190 B2**
Yan et al. (45) **Date of Patent:** **May 19, 2009**

(54) **SYSTEM AND METHOD FOR CONTROLLING A WINDOW WIPER SYSTEM** 4,520,271 A 5/1985 Goettler et al.
5,119,002 A * 6/1992 Kato et al. 318/444
5,149,234 A * 8/1992 Walfrink 318/264
5,072,946 A * 9/1997 Kowashima et al. 318/444
6,275,211 B1 8/2001 Obradovich
6,936,985 B2* 8/2005 Parley et al. 318/443
7,043,699 B2 5/2006 Obradovich
7,095,199 B2* 8/2006 Hirose et al. 318/444
7,423,399 B2* 9/2008 Pawlicki et al. 318/443
2003/0173023 A1 9/2003 Nunez, Jr. et al.
2007/0241612 A1* 10/2007 Aeeby 3079/1

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 197 days.

(21) Appl. No.: 11/742,087
(22) Filed: Apr. 30, 2007
(65) **Prior Publication Data**
US 2008/0263807 A1 Oct. 30, 2008

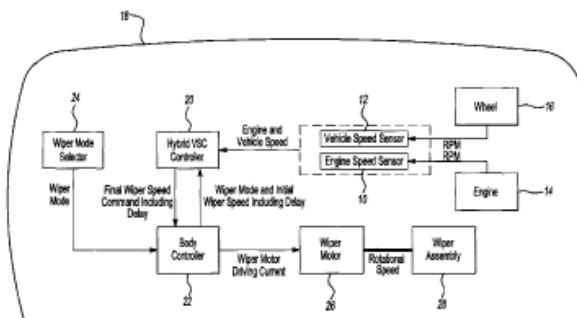
(51) **Int. Cl.**
H02P 1/04 (2006.01)
(52) **U.S. Cl.** 318/443; 318/444; 318/282; 318/268; 15/250.001; 15/250.12; 15/250.17
(58) **Field of Classification Search** 318/443-445; 318/280-282; 15/250.001; 250.12; 250.17
See application file for complete search history.

(56) **References Cited**
U.S. PATENT DOCUMENTS
2,721,352 A 10/1955 Oishi
4,470,063 A * 10/1984 Ueda et al. 299/30 R

19 Claims, 2 Drawing Sheets

ABSTRACT

A windshield wiper system for use on a hybrid electric vehicle is capable of adjusting the delay between consecutive cycles based on engine state and vehicle speed. The system includes a windshield wiper and a motor coupled to the windshield wiper. A sensor generates an engine speed signal and another sensor generates a vehicle speed signal. A processor in communication with the sensors and wiper motor provides a drive signal to the wiper motor which is based on the engine and vehicle speed.



EPO Patent Abstracts and JPO Patent Abstracts Databases

Ability to do a more thorough coverage of international prior art

- Not on USPTO web

English language searching of abstracts of patents offices

- European (EPO)
- Japanese (JPO)

Some years can be searched by U.S. Patent Classification in addition to International Patent Classification

EPO Database and Espacenet



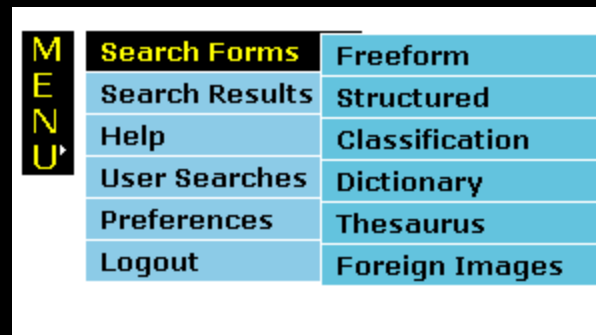
EPO and JPO Abstract Databases does not replace a search on esp@cenet:
<http://ep.espacenet.com>

EPO Abstracts Database covers only EPO's documents.

esp@cenet contains documents from many countries as well.

PubWEST also provides special access to foreign patents

- Searchers have access to all foreign patent images stored in the Foreign Images database



M E N U	Search Forms	Freeform
	Search Results	Structured
	Help	Classification
	User Searches	Dictionary
	Preferences	Thesaurus
	Logout	Foreign Images

- 32 countries, EPO and WIPO, summarized in “Foreign Patent Holdings at USPTO” sheet sent out periodically via ALLPTDLS list

Foreign Patent Images Database

Huge inventory of international patent images available in a separate database

Searched by patent number

Usually used by patent examiners

Foreign Document Retrieval

Foreign Document Retrieval

PN - Patent Number =

Alphanumeric(A-Z,0-9)
-12 max characters

OR AND

Search Query

Display Documents Starting with Number

Generate: Hit List Image



Full Text back to 1920

OCR Full-Text database provides full-text access to U.S. patents.1920-1975

- *Caveat:* Optical Character Recognition scanning process may miss some text characters.
- USPTO website only provides full-text access back to 1976

U.S. OCR Full-Text Database

U.S. patents from
1920-1970 (2.5
million) and from
1971-1976+ (97,000)

Scanned by Optical
Character
Recognition (OCR)

Makes available
patents for full-text
searching

Potential pluses
and limitations

Old patent source
documents contain
various fonts and
scripts, some not
legible.

Source images less
than perfect for OCR
scanning.

More wildcarding may be needed due to "dirty" text

L2: Entry 51 of 56

File: USOC

Sep 20, 1921

US-PAT-NO: 1391453
DOCUMENT-IDENTIFIER: US 1391453 A

TITLE: Magazine-loader

DATE-ISSUED: September 20, 1921

INVENTOR-NAME: BOWLSBY BRUCE F

US-CL-CURRENT: [42/87](#)

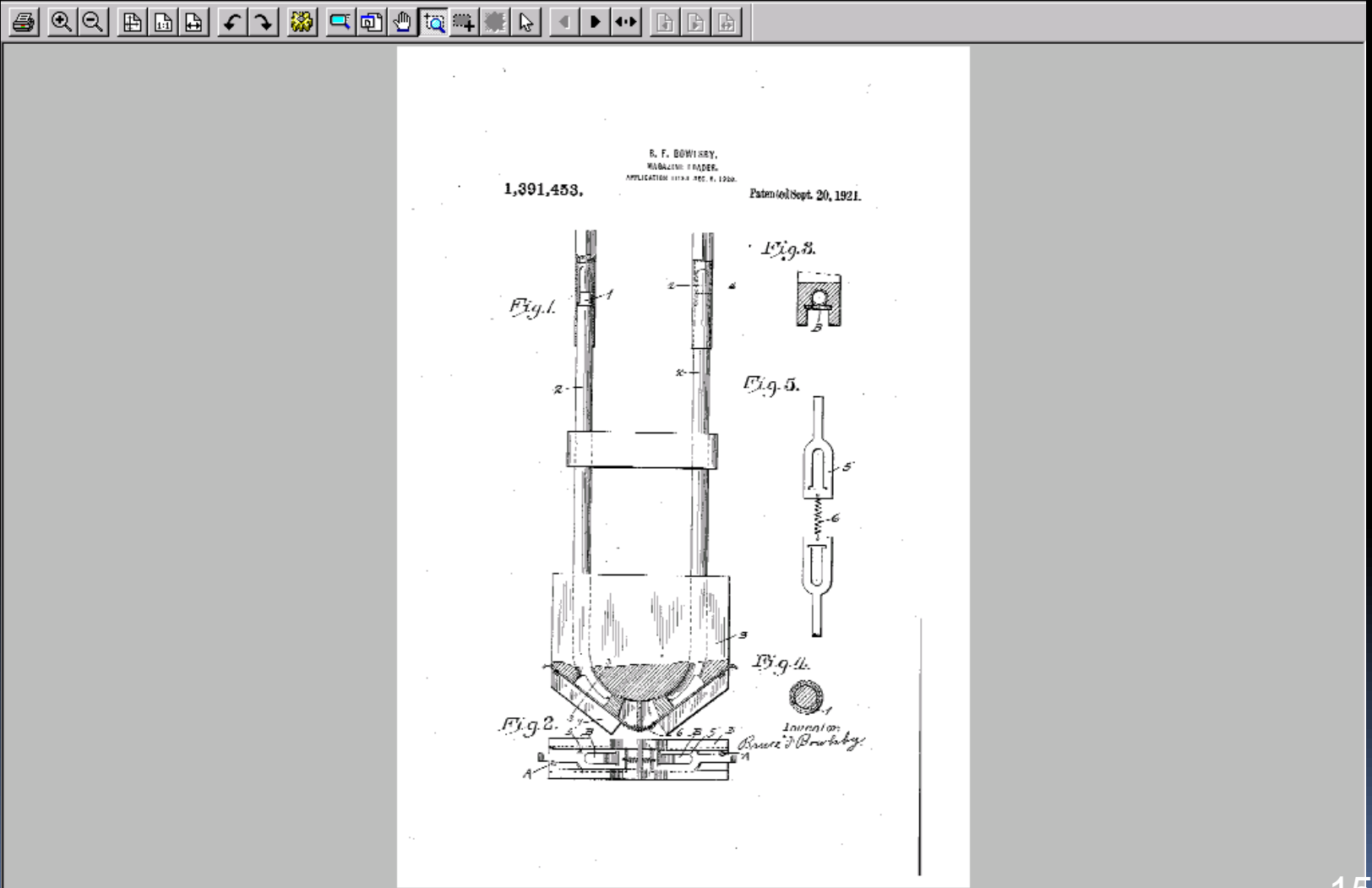
DOCUMENT TEXT:

B. F. BOWLSBY, MAGAZINE LOADER. APPLICATION FILED DEC. 6, 1920, Patented Sept. 20, 1921. r -T7@VC,7t07-

UNITED STATES PATENT OFFICE. 33RUCE F. BOWLSEY, OF BRAXPTON NORTH DAKOTA. XAGAZINE-LOADER. 1,391,453.
Speci:Ecaticii of letters I?atent. Patented Sept. 20, 1921. Application filed December 6,1920. Serial No. 428,845.
To all to whom it may concer-n: Be it l@:nown that I, Bpucio F. BOWLSBY a citizen of the United States@ residing I at
Brampton, in the county of :Sargent and State of North Dakota, have invented a new and useful Magazine-Loader, of
which the following is a specification. My invention relates to the speedy filling of magazines of [repeating rifles](#)
with loaded 10 c, ,trtridges by means of a double cylinder cont, ,tiner to be ,ttached to a belt ancl strapped to the
person of tl-ie user and which cont, ,tiner may be instantly applied to the slot in the magazine of the rifle for the
re- 15 ception of cartridges and from which container the magazine inay be instantly filled. I ,ttain these objects
by @he mechanism illustrated in the accompanying drawina in which Figure 1 is a vertical view of the en- 20 tire
loader. Fig. 2 is a head view of the lower end of the loader showing the slot which covers the magazine of the rifle
while in use, the slides and the grooves in which the slides run, slots for the evaeu, ,ttion of 25 shells from the
loader, and also stops and spriiao,s, and the slides that close the loader when?not in use. Fig. 3 is a section on
line 3-3 of Fig. 1, at either side of the lower part of the block 30 of the frame through which the t-Libes pass that
convey cartridges to the slots below. Fig. 4 is a section on line 4-4 of Fig. 1, showing the, cap which covers the
upper end of the cylinder containers, and which may 35 be removed to charge the cylinders with cartridges. Fig. 5 is
a detailed view of the slides and the spring that return to place after use together with the openings through which
40 loaded shells or cartridges pass to the magazine of the rifle. T'he maoaziiae loader is a speedy reloading device.
The essential elements of this device are two cylinder containers having 45 slides at tl-ieir lower ends, a compolind
sprino, -which ret-,tins the slides stops to prevent i?e, -withdrawal of slides too far, and caps to cover the -
LLpper ends of the cylinder cont, ,tainers. So I prefer to carry out my invention in the maiane-r shown in the dra-
wing. The upper ends of the tlibes 2, have each an openinu 1, through which cartridges are placea in @aid tube s.
These openings may be covered when not in -lise so as to hold cartridges in the 55 tube s or cylinder containers.
Numerals 5-5 indicate the slideg that prtly close the openings B-B, at the lower eiids of the cylinders, or tlibes,

Brampton not BRAXPTON

Images are linked to OCR text



OCR file is useful when you know a specific inventor has patents in a particular art

- Lauck and Current Class: 60/4??

Structured Search

Database: US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database

Searchable Index: <none> - All Fields Not Numeric

Term 1 text: Lauck

Operator: AND Proximity Distance: 1

Searchable Index: CCLS - Current US Classification Not Numeric

Term 2 text: 60/4??

Display: 10 Documents in [Display Format](#): CIT Starting With #: 1

Generate: Hit List Hit Count Side by Side Image

34 results, some with Lauck as inventor, others referencing Lauck's patents

PubWEST Disadvantages

Sign on
procedure
using Secure ID

Multiple search
and display
choices means
learning curve
for customer
and staff

Restricted to
one to five
workstations in
a library (5
concurrent
users at one
PTDL possible).

Presentation Discussed

Six Databases

- Features

Defaults

- Recommendations

Operators

- Boolean and Proximity

Sample Search and Displays

- Simple and Combination

Disadvantages

- Secure connection in library



Any Questions?



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494-2872

Email preferred for setting up appointments



