

Exhibit 15

USPTO PATENT FULL-TEXT AND IMAGE DATABASE



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Results of Search in US Patent Collection db for:

EXP/(stephen AND hong): 852 patents.

Hits 1 through 50 out of 852




Next 50 Hits

Jump To

Refine Search

exp/(stephen and hong)

PAT. NO.	Title
1	7,318,193 Method and apparatus for automatic document generation based on annotation
2	7,318,191 Automated system and method for dynamically generating customized typeset question-based documents
3	7,315,979 Method and system for dynamic flowing data to an arbitrary path defined by a page description language
4	7,313,758 Markup-language document formatting in memory-constrained environment
5	7,310,773 Removal of extraneous text from electronic documents
6	7,310,772 Linking method for printed telephone numbers identified by a non-indicia graphic delimiter
7	7,310,769 Text encoding using dummy font
8	7,308,650 Image layout device
9	7,308,649 Providing scalable, alternative component-level views
10	7,308,648 Method, system, and computer-readable medium for filtering harmful HTML in an electronic document
11	7,308,647 Extensible markup language rendering and layout
12	7,308,646 Integrating diverse data sources using a mark-up language
13	7,308,641 Notebook layout view
14	7,305,616 Document builder for interactive dynamic documentation web site

- 15 [7,305,615](#)  [Methods and apparatus for accelerating data parsing](#)
- 16 [7,305,614](#)  [Interoperable retrieval and deposit using annotated schema to interface between industrial document specification languages](#)
- 17 [7,302,641](#)  [Information processing method and apparatus for making document](#)
- 18 [7,302,639](#)  [Report system and method using prompt in prompt objects](#)
- 19 [7,302,637](#)  [System and method for abbreviating information sent to a viewing device](#)
- 20 [7,299,413](#)  [Document processing method and system](#)
- 21 [7,299,410](#)  [System and method for reporting hierarchically arranged data in markup language formats](#)
- 22 [7,299,409](#)  [Dynamically updating rendered content](#)
- 23 [7,299,407](#)  [Marking and annotating electronic documents](#)
- 24 [7,296,229](#)  [Method and apparatus for providing a central dictionary and glossary server](#)
- 25 [7,296,228](#)  [Document editing by blocks and groups](#)
- 26 [7,296,225](#)  [Information transmitting and receiving in which layout information is used to determine importance](#)
- 27 [7,296,224](#)  [Method for assigning graphical images to pages](#)
- 28 [7,296,222](#)  [Method and system for preparing and displaying page structures for web sites](#)
- 29 [7,296,220](#)  [Method and system for creating a table in a text editing application](#)
- 30 [7,296,219](#)  [Client side, web-based calculator](#)
- 31 [7,296,217](#)  [Electronic transaction document system](#)
- 32 [7,293,234](#)  [Method and system for capturing a note-taking session using sensor with identifier](#)
- 33 [7,293,233](#)  [Method and system for capturing a note-taking session using processing sensor](#)
- 34 [7,293,230](#)  [Information architecture for the interactive environment](#)
- 35 [7,293,229](#)  [Ensuring proper rendering order of bidirectionally rendered text](#)
- 36 [7,293,228](#)  [Maltweb multi-axis viewing interface and higher level scoping](#)
- 37 [7,293,227](#)  [Associating image files with media content](#)
- 38 [7,290,210](#)  [Method and system for capturing a note-taking session using coded marks](#)
- 39 [7,290,209](#)  [Spell checker with arbitrary length string-to-string transformations to improve noisy channel spelling correction](#)
- 40 [7,290,207](#)  [Systems and methods for providing multimedia information management](#)
- 41 [7,287,234](#)  [Methods, systems and computer program products for use of color saturation to highlight items in a tree map visualization](#)
- 42 [7,287,222](#)  [Information processing apparatus and method that determines effectiveness of metadata for editing information content](#)
- 43 [7,284,205](#)  [Providing multiple input bindings across device categories](#)
- 44 [7,284,199](#)  [Process of localizing objects in markup language documents](#)
- 45 [7,284,198](#)  [Method and system for document draft reminder based on inactivity](#)
- 46 [7,284,191](#)  [Meta-document management system with document identifiers](#)
- 47 [7,284,190](#)  [Automatically generated compatibility reports](#)
- 48 [7,281,210](#)  [Layout system, layout program, and layout method](#)
- 49 [7,281,209](#)  [Method and apparatus for managing numbering of print pages of sections within a](#)

[document](#)

50 [7,281,202](#)  [Framework for creating modular web applications](#)

	Next List	Top	View Cart	
Home	Quick	Advanced	Pat Num	Help

USPTO PATENT FULL-TEXT AND IMAGE DATABASE



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Results of Search in US Patent Collection db for:














EXA/(stephen AND hong): 116 patents.



























Hits 1 through 50 out of 116












Next 50 Hits

Jump To

Refine Search

PAT. NO.	Title
1	5.907.320  Time-based method of human-computer interaction for controlling storage and retrieval of multimedia information
2	5.900.002  Method and apparatus for manipulating page layouts in a desktop publishing system
3	5.867.177  Image display method for displaying a scene in an animation sequence
4	5.838.890  Household information system data processor changing an initial image
5	5.835.693  Interactive system for simulation and display of multi-body systems in three dimensions
6	5.832.528  Method and system for selecting text with a mouse input device in a computer system
7	5.826.102  Network arrangement for development delivery and presentation of multimedia applications using timelines to integrate multimedia objects and program objects
8	5.825.999  Minimum character region determining apparatus and method, character string generating apparatus for generating a character string according to the minimum character region determining method
9	5.818.462  Method and apparatus for producing complex animation from simpler animated sequences
10	5.808.623  System and method for perspective transform in computer using multi-pass algorithm
11	5.806.080  System and method for implementing canvas objects on windowing computer systems
12	5.805.784  Computer story generation system and method using network of re-usable substories
13	5.802.539  Method and apparatus for managing text objects for providing text to be interpreted across computer operating systems using different human languages

- 14 [5,802,538](#)  [System for enhanced utility of custom characters including dividing the custom characters into custom character groups and adapting the custom character groups to each other](#)
- 15 [5,802,535](#)  [Document processing apparatus for editing and generating documents](#)
- 16 [5,802,531](#)  [Method and system for embedding parts of documents and synchronizing multiple views thereof](#)
- 17 [5,802,388](#)  [System and method for correction and confirmation dialog for hand printed character input to a data processing system](#)
- 18 [5,801,711](#)  [Polyline and triangle strip data management techniques for enhancing performance of computer graphics system](#)
- 19 [5,796,409](#)  [Method for producing contrast-controlled grayscale characters](#)
- 20 [5,793,379](#)  [Method and apparatus for scaling images having a plurality of scan lines of pixel data](#)
- 21 [5,790,129](#)  [Multi-media computer-based method and device for self-improvement by metal stimulation](#)
- 22 [5,790,126](#)  [Method for rendering a spline for scan conversion of a glyph](#)
- 23 [5,787,453](#)  [Interactive formula processing system for SQL data base](#)
- 24 [5,781,915](#)  [Document processing apparatus that determines whether a document has been confirmed by another user](#)
- 25 [5,778,403](#)  [Method for displaying text on a rendering device to accurately represent the text as if displayed on a target device](#)
- 26 [5,778,402](#)  [Method and system for auto-formatting a document using an event-based rule engine to format a document as the user types](#)
- 27 [5,778,240](#)  [Referential edit checking tabular form data](#)
- 28 [5,777,621](#)  [Quality control mechanism for three-dimensional graphics rendering](#)
- 29 [5,768,490](#)  [Method for producing visually evenly spaced typographic characters](#)
- 30 [5,767,861](#)  [Processing apparatus and method for displaying a moving figure constrained to provide appearance of fluid motion](#)
- 31 [5,767,846](#)  [Multi-media document reproducing system, multi-media document editing system, and multi-media document editing/reproducing system](#)
- 32 [5,765,177](#)  [Document processing method and apparatus for searching documents having a graph based document logic structure](#)
- 33 [5,765,176](#)  [Performing document image management tasks using an iconic image having embedded encoded information](#)
- 34 [5,764,871](#)  [Method and apparatus for constructing intermediate images for a depth image from stereo images using velocity vector fields](#)
- 35 [5,764,241](#)  [Method and system for modeling and presenting integrated media with a declarative modeling language for representing reactive behavior](#)
- 36 [5,764,235](#)  [Computer implemented method and system for transmitting graphical images from server to client at user selectable resolution](#)
- 37 [5,760,788](#)  [Graphical programming system and method for enabling a person to learn text-based programming](#)
- 38 [5,758,361](#)  [Document editor for linear and space efficient representation of hierarchical documents](#)
- 39 [5,758,180](#)  [Block resizing function for multi-media editing which moves other blocks in response to](#)

- [the resize only as necessary](#)
- 40 [5,758,110](#)  [Apparatus and method for application sharing in a graphic user interface](#)
- 41 [5,757,384](#)  [Apparatus and method for font thinning and bolding based upon font outline](#)
- 42 [5,754,873](#)  [Method and apparatus for scaling a selected block of text to a preferred absolute text height and scaling the remainder of the text proportionately](#)
- 43 [5,754,190](#)  [System for reproducing images utilizing image libraries](#)
- 44 [5,752,055](#)  [Systems and method for automatically linking parts within compound documents](#)
- 45 [5,745,909](#)  [Method and apparatus for reducing flicker when displaying HTML images on a television monitor](#)
- 46 [5,745,668](#)  [Example-based image analysis and synthesis using pixelwise correspondence](#)
- 47 [5,745,121](#)  [Methods and apparatus for optimizing the composition of graphical elements](#)
- 48 [5,740,456](#)  [Methods and system for controlling intercharacter spacing as font size and resolution of output device vary](#)
- 49 [5,739,824](#)  [Method and apparatus for conveying higher-dimensional tabular information to people using lower-dimensional output devices](#)
- 50 [5,734,923](#)  [Apparatus for interactively editing and outputting sign language information using graphical user interface](#)
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