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Case Study: Full-Text View

Leveraging to identify claims that are prior art

ktMINE's newest addition, Patent Full-Text View, brings full-text patent data directly into the ktMINE platform. This information is imperative for performing a multitude of patent analyses such as FTO searches, prior art searches, and even patent strategy decisions.

ktMINE Patent Full-Text View aids this research by using our proprietary technology to display only the sections of a patent's abstract, claims, and description of a patent that contain your keywords. By indicating this language and truncating the surrounding text, users gain instant insights and answer their most pressing questions.

I need to understand if there is any existing prior art for my patent involving RFID chips using an ultra-high frequency.

By leveraging ktMINE, a user will build an initial search looking for RFID chip technologies to identify a pool of potential patents that could be problematic. Once the search is built, the user can enter keywords such as "ultra-high frequency" into the Full-Text Patent View. ktMINE's new Patent Full-Text Patent View truncates the claims section, displaying the exact claims containing their keywords. By having the ability to instantly see the specific claims of interest, the analyst saves immense time, allowing them to quickly decide if the patent in question would infringe on any prior art. The best part is that this view allows you to navigate through additional documents without needing to re-enter these keywords, saving time by making the research more efficient.

ktMINE Search Profiles Commercialization Wizard Analytics Widget Benchmark ^{beta} Royalty Rates Agreements Patents Support Account

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Patents (265)
Advanced Search: Patents (2)

RESULTS (1-20 of 265)

3 of 265: Interactive component for an amusement park

Document Number: US111300382 Document Country: UNITED STATES Publication Date: 09/28/2021 Current Owner: UNIVERSAL CITY STUDIOS LLC

Systems and methods for a reconfigurable radio front-end

Document Number: US1115133682 Document Country: UNITED STATES Publication Date: 10/19/2021 Current Owner: INTERMEC INC

Systems and methods for managing data related to vehicle(s)

Document Number: US1115797882 Document Country: UNITED STATES Publication Date: 11/30/2021 Current Owner: MAHINDRA & MAHINDRA LTD

System and method for wireless sensing of health monitoring

Document Number: US1118544982 Document Country: UNITED STATES Publication Date: 11/30/2021 Current Owner: MASSACHUSETTS INSTITUTE OF TECHNOLOGY

Dynamic compensation of a phased array rfid reader

Document Number: US1121048082 Document Country:

Full Text ^{beta}

Abstract

1 [open 1-1]

Claims: (20)

1, 2, 3, 4 [open claims 1-4]

5. The entertainment system of claim 1, wherein the detection device comprises an **Ultra-High Frequency** (UHF) antenna configured to detect a UHF radio frequency identification (RFID) tag of the identification tag and a nearfield communication antenna configured to detect a nearfield communication RFID tag of the identification tag.

... 6, 7, 8, 9, 10, 11, 12 [open claims 6-12]

13. An entertainment system for an amusement park, the entertainment system comprising: an interactive component an actuator; a mounting component coupling the interactive component to the actuator; and a control device communicatively coupled to the actuator, wherein the control device is configured to: wirelessly read a radio frequency identification (RFID) tag associated with a guest profile comprising one or more user characteristics; and control the actuator to adjust a height of the interactive component based on the one or more user characteristics determined from the guest profile associated with the RFID tag.

... 14, 15, 16, 17, 18, 19, 20 [open claims 14-20]

Description

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31 [open 1-31]

In some embodiments, the interactive component is configured to detect a guest as the guest approaches the interactive component. Accordingly, the interactive component may generate an effect (or otherwise prepare for an interaction) as the guest comes into close proximity to the interactive component and/or before the guest physically interacts with the interactive component. Further, the interactive component may be configured to detect an identity of the guest via an identification tag (e.g., an RFID tag or a device carried by the guest) carried by and associated with the guest. As such, the interactive component may generate an effect personalized to the guest and/or award points to the particular guest that interacts with the interactive component. In any case, multiple interactive components may be positioned throughout the park, such that guests may seek a specific interactive component and physically contact the interactive component upon its discovery. Accordingly, guests that are not otherwise engaged (e.g., riding a roller coaster or watching a performance) may interact with the interactive component to enhance an experience of the guest while at the amusement park (e.g., in a common area, in a queue, or in a dedicated interactive space).



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I would like to understand Google's patent claims around artificial intelligence within its portfolio.

ktMINE's Patent Full-Text View is a great tool to review the claims a company has on its patents. Users can quickly identify this information by running a search by either an ultimate parent or current owner. After the search has been built, the user can go to the Patent Full-Text View and enter the term "artificial intelligence". Upon doing so, the user will instantly see which claims directly reference the terms to understand what sort of patents the company holds.

The screenshot displays the ktMINE Patents interface. At the top, there is a navigation bar with links for Home / Dashboard / Patents, Search, Profiles, Commercialization Wizard, Analytics Widget, Benchmark, Royalty Rates, Agreements, Patents, Support, and Account. Below the navigation bar, there is a search bar with 'Enter keyword' and a search button. The search results are displayed in a table with columns for Document Number, Document Country, and Current Owner. The first result is for 'Systems and methods for interacting and interfacing with an artificial intelligence system' by Google LLC. The second result is for 'System and method for providing an artificial intelligence control surface for a user of a computing device' by World Intellectual Property Organization. The third result is for 'Systems and methods for interacting and interfacing with an artificial intelligence system' by Google LLC. The fourth result is for 'Systems and methods for generating and providing suggested actions' by World Intellectual Property Organization. The fifth result is for 'Systems and methods for interacting and interfacing with an artificial intelligence system' by Google LLC. The interface also includes a 'Full Text beta' section for the selected patent, showing the abstract and claims. The abstract describes a computing system for interacting with an artificial intelligence system. The claims list various configurations of the system, including a camera, light-emitting device, and machine-learned models.



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When looking at patent US10624992B2, I am mostly interested in how the cells are engineered and how to utilize them for transplantation, but need more detail than the text of the claim would provide.

Alongside claims text, ktMINE's Patent Full-Text View also allows the review of description text. This text is valuable when needing more details than the text of the claim would allow. A user can run a search by the patent document number and then enter in the appropriate keywords of interest. After which the user can expand only the description section to review that text and understand how those keywords are leveraged within the implementation of the patent.

The screenshot displays the ktMINE web application interface. At the top, there is a navigation bar with various tools like Search, Profiles, Commercialization Wizard, etc. The main content area shows search results for 'Patents (1)'. The selected patent is 'Human airway stem cells in lung epithelial engineering' (US10624992B2). The interface includes a search bar with the keyword 'CELLS', a list of keywords (ENGINEER, TRANSPLANTATION), and a 'Full Text' view. The 'Description' section is expanded, showing the patent's text, which discusses methods for using human airway stem cells in lung epithelial engineering and transplantation. The text includes details about lung transplants, decellularization, and the use of stem cells to regenerate lung scaffolds.