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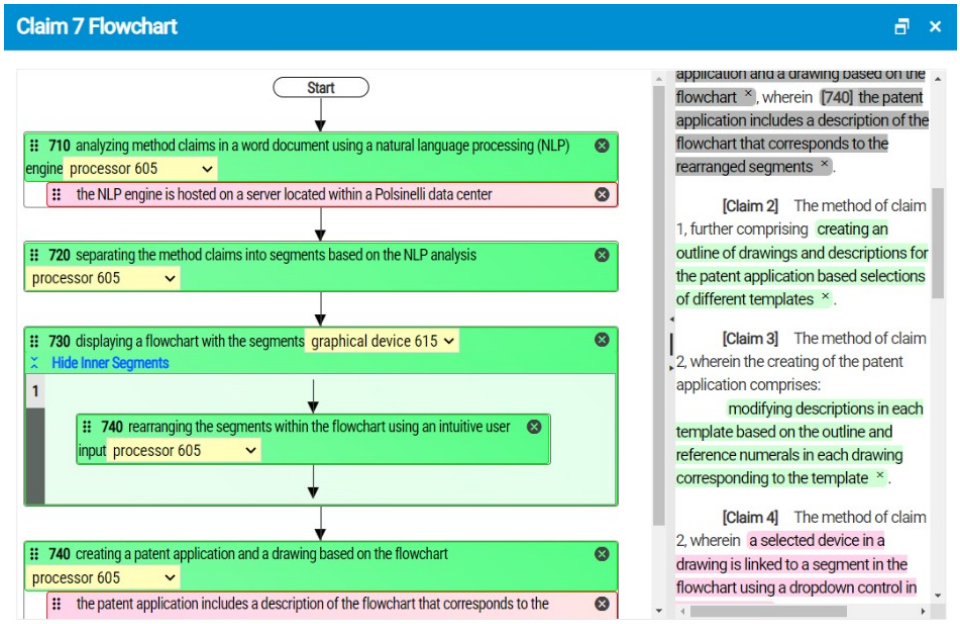
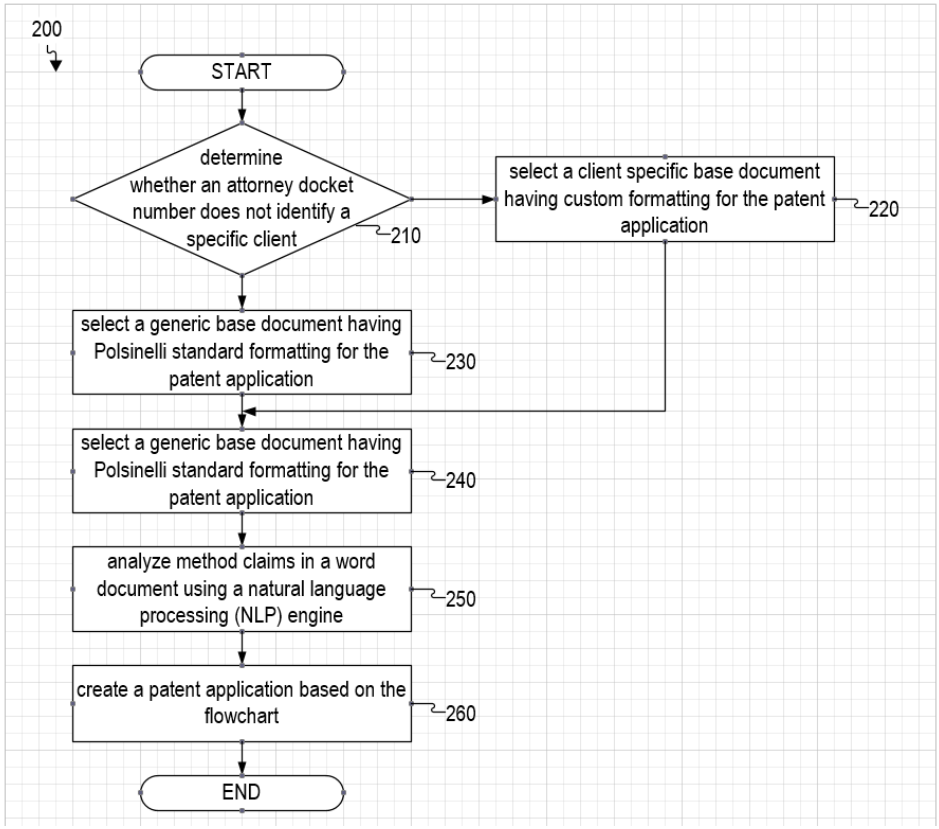
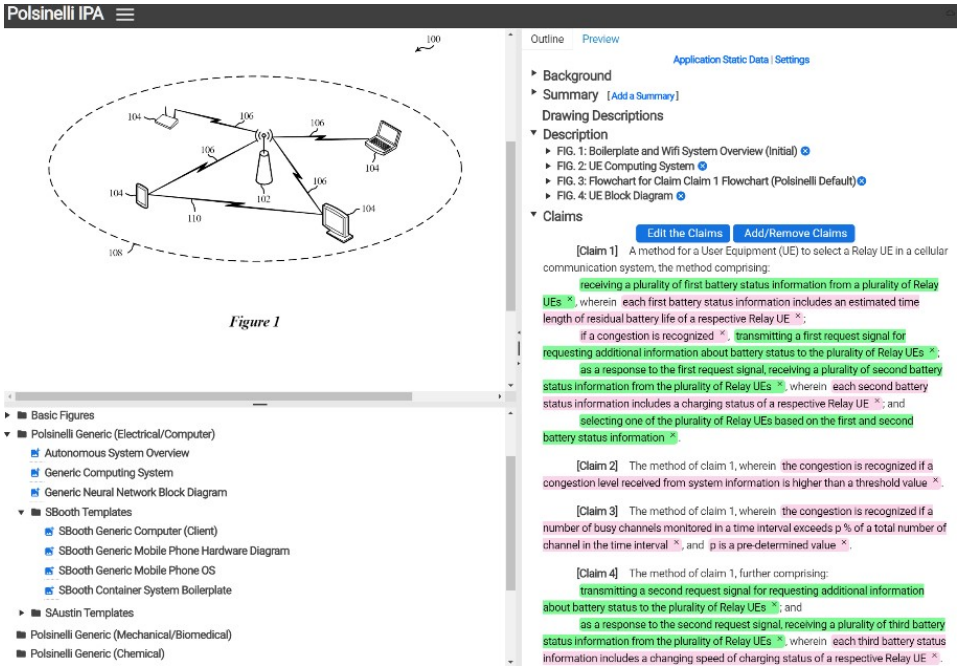
In-House Automated Patent Drafting Tool

Polsinelli PatentCAD is a patent-approved AI software tool for visually creating patent applications based on method or apparatus claims. PatentCAD processes the claims and composes sentences from the claims and application drafters visually arrange the claims into a written description. Our novel user interface can handle complex claims such as mutually exclusive embodiments, alterative conditions, and optional steps. This approach enables our application drafters to draft high quality claims and then visually build the specification with full support of those claims.



On average, PatentCAD users draft and input an average of 1.7 independent method claims and 18 dependent claims which are converted into specification content, other statutory claims, and other content with minimal input. PatentCAD also helps build a well-organized patent application by handling repetitive formal tasks and surfacing reusable content such as client-specific boilerplate and other common technical content. By using PatentCAD, our attorneys and agents reduce drafting overhead by 4-10%, thereby providing more time to focus on application quality and technical accuracy.


200
START
determine whether an attorney docket number does not identify a specific client
210
select a client specific base document having custom formatting for the patent application
220
select a generic base document having Polsinelli standard formatting for the patent application
230
select a generic base document having Polsinelli standard formatting for the patent application
240
analyze method claims in a word document using a natural language processing (NLP) engine
250
create a patent application based on the flowchart
260
END


Polsinelli IPA
Figure 1
Basic Figures
Polsinelli Generic (Electrical/Computer)
Autonomous System Overview
Generic Computing System
Generic Neural Network Block Diagram
SBooth Templates
SBooth Generic Computer (Client)
SBooth Generic Mobile Phone Hardware Diagram
SBooth Generic Mobile Phone OS
SBooth Container System Boilerplate
SAustin Templates
Polsinelli Generic (Mechanical/Biomedical)
Polsinelli Generic (Chemical)
Outline
Preview
Application Static Data | Settings
Background
Summary [Add a Summary]
Drawing Descriptions
Description
FIG. 1: Boilerplate and Wifi System Overview (Initial)
FIG. 2: UE Computing System
FIG. 3: Flowchart for Claim Claim 1 Flowchart (Polsinelli Default)
FIG. 4: UE Block Diagram
Claims
Edit the Claims
Add/Remove Claims
[Claim 1] A method for a User Equipment (UE) to select a Relay UE in a cellular communication system, the method comprising:
receiving a plurality of first battery status information from a plurality of Relay UEs, wherein each first battery status information includes an estimated time length of residual battery life of a respective Relay UE;
if a congestion is recognized, transmitting a first request signal for requesting additional information about battery status to the plurality of Relay UEs;
as a response to the first request signal, receiving a plurality of second battery status information from the plurality of Relay UEs, wherein each second battery status information includes a charging status of a respective Relay UE; and
selecting one of the plurality of Relay UEs based on the first and second battery status information.
[Claim 2] The method of claim 1, wherein the congestion is recognized if a congestion level received from system information is higher than a threshold value.
[Claim 3] The method of claim 1, wherein the congestion is recognized if a number of busy channels monitored in a time interval exceeds p % of a total number of channel in the time interval, and p is a pre-determined value.
[Claim 4] The method of claim 1, further comprising:
transmitting a second request signal for requesting additional information about battery status to the plurality of Relay UEs; and
as a response to the second request signal, receiving a plurality of third battery status information from the plurality of Relay UEs, wherein each third battery status information includes a changing speed of charging status of a respective Relay UE.

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Outline Preview

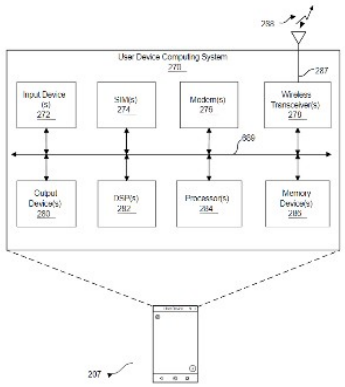

FIG. 2

user of the user device 207. As noted above, the IMSI and key can be used to identify and authenticate the subscriber when accessing a network provided by a network service provider or operator associated with the one or more SIMs 274. The one or more modems 276 can modulate one or more signals to encode information for transmission using the one or more wireless transceivers 278. The one or more modems 276 can also demodulate signals received by the one or more wireless transceivers 278 in order to decode the transmitted information. In some examples, the one or more modems 276 can include a 4G (or LTE) modem, a 5G (or NR) modem, a modem configured for V2X communications, and/or other types of modems. The one or more modems 276 and the one or more wireless transceivers 278 can be used for communicating data for the one or more SIMs 274.

[0026] The computing system 270 can also include (and/or be in communication with) one or more non-transitory machine-readable storage media or storage

SBooth Templates