

**Questel**



**Qthena**

# Leverage Artificial Intelligence to Simplify Your Prosecution Work

Introducing Qthena

Unifying workflow automation and insights





**Benoît CHEVALIER**

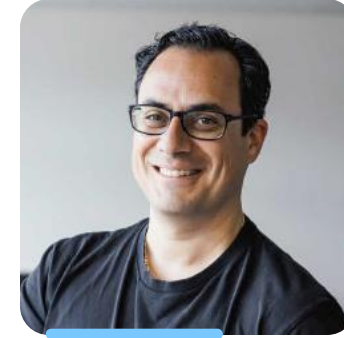
Marketing  
Director

**Questel**



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Chapter Lead New Modality IP  
European Patent Attorney



**Tony AFRAM**

Founder & CEO  
European Patent Attorney

**ipQuants**

## The rise of a new product line at Questel

The Questel logo is written in a bold, blue, italicized serif font.

**qatent**



**Qthena**  
powered by **ip** **quants**

Patent

# Patent preparation & patent prosecution process copilots

Optimize your entire patent process with our range of advanced Preparation & Prosecution Copilots, from patent application drafting to prosecution workflow automation, claims mapping, and office action responses.

## OUR SOLUTIONS

### Workflow Automation **NEW**

All-in-one patent prosecution workflow, data, and collaboration workspace.

### AI-Drafting **NEW**

Industry-leading patent drafting software powered by generative AI.

### Claim Mapping **NEW**

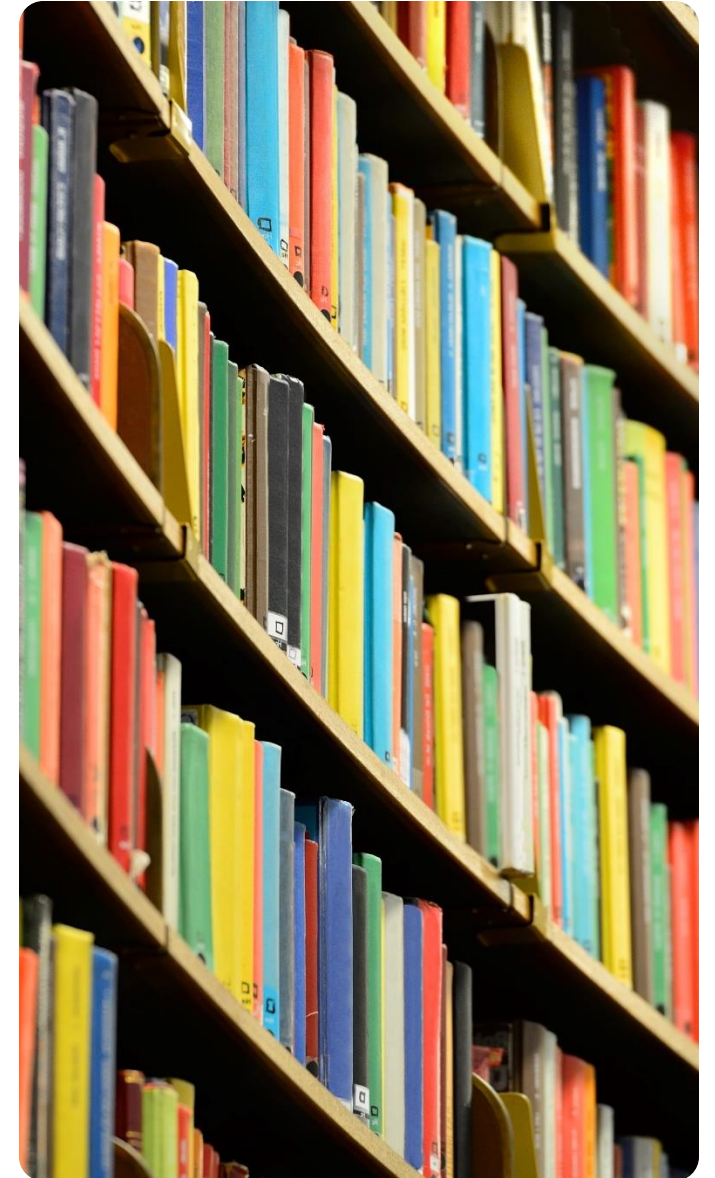
Patent Mapping and Claim Analysis with AI

### Office Actions **NEW**

Patent Office Action Response Management with AI

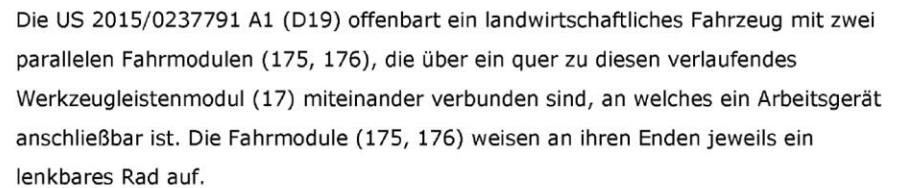
# Many still operate today as they did 50 years ago

Managing your IP workflows today means juggling many documents, reports, and a lack of insights.





# The Challenge without QtHena



Die JP 2010279342 B1 (D20) offenbart ein motorbetriebenes Fahrzeug 1 mit einem U-förmigen Rahmen 8 zum Aufnehmen von landwirtschaftlichen Geräten. An dem

# The Challenge without QtHena

1 Reference is made to the following documents; the numbering will be adhered

# Scattered Tools, Scattered Focus

**Espacenet**  
Patent search

Legal Data



Insights



Word processor



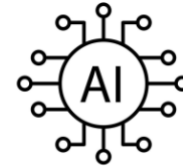
Collaboration



OCRing



Document Review



Generative AI



Translate



Workflow Automation



Document Storage



Search



Other

# Qthena Empowers You to Focus on the Task



Legal Data



Insights



Word processor



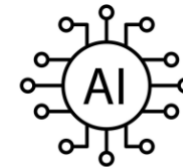
Collaboration



OCRing



Document Review



Generative AI



Translate



Workflow Automation



Document Storage



Search



Other

# Meet Qthena

## The Only Co-Pilot with a Purpose-Built Digital Cockpit

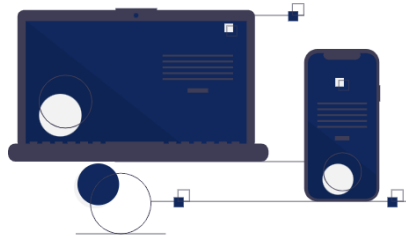
The screenshot displays the Qthena software interface, which is designed as a digital cockpit for patent analysis. The interface is divided into three main sections:

- Left Panel (Chat/Research Assistant):** This panel contains a chat window where a user can interact with a research assistant. The chat history shows a conversation about examiner objections and a draft response. The assistant provides guidance on how to draft a response, including selecting the closest prior art and providing novelty arguments. A "20% Context Usage" indicator is visible at the bottom of the chat window.
- Center Panel (Document Viewer):** This panel displays a patent document (EP 3 998 686 A1) with a search bar and various viewing options. The document text is visible, showing technical details about a power supply line and a semiconductor switching unit.
- Right Panel (Patent Viewer):** This panel displays a patent diagram (Fig. 7) showing a schematic of a power supply line and a semiconductor switching unit. The diagram includes labels for various components and their connections.

The interface also features a top navigation bar with tabs for "Main: EP21158135 MDA...", "File", "Views", "Panels", and "Help". A bottom status bar shows the current document and various viewing options.



# Uses cases



Your digital desktop: **Skip the hassle of re-opening and re-arranging documents** between sessions



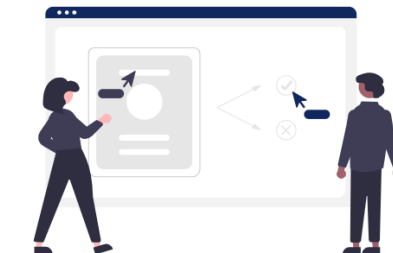
Chat with Qthena – **Powered by GPT**. **Effortlessly analyze documents** and accomplish tasks



Qthena provides data-driven **patent prosecution insights**



Efficiently **review, annotate, and AI chat** with one or more documents



**Share and collaborate** on documents from anywhere!



**Competitive intelligence** for BD and Marketing teams

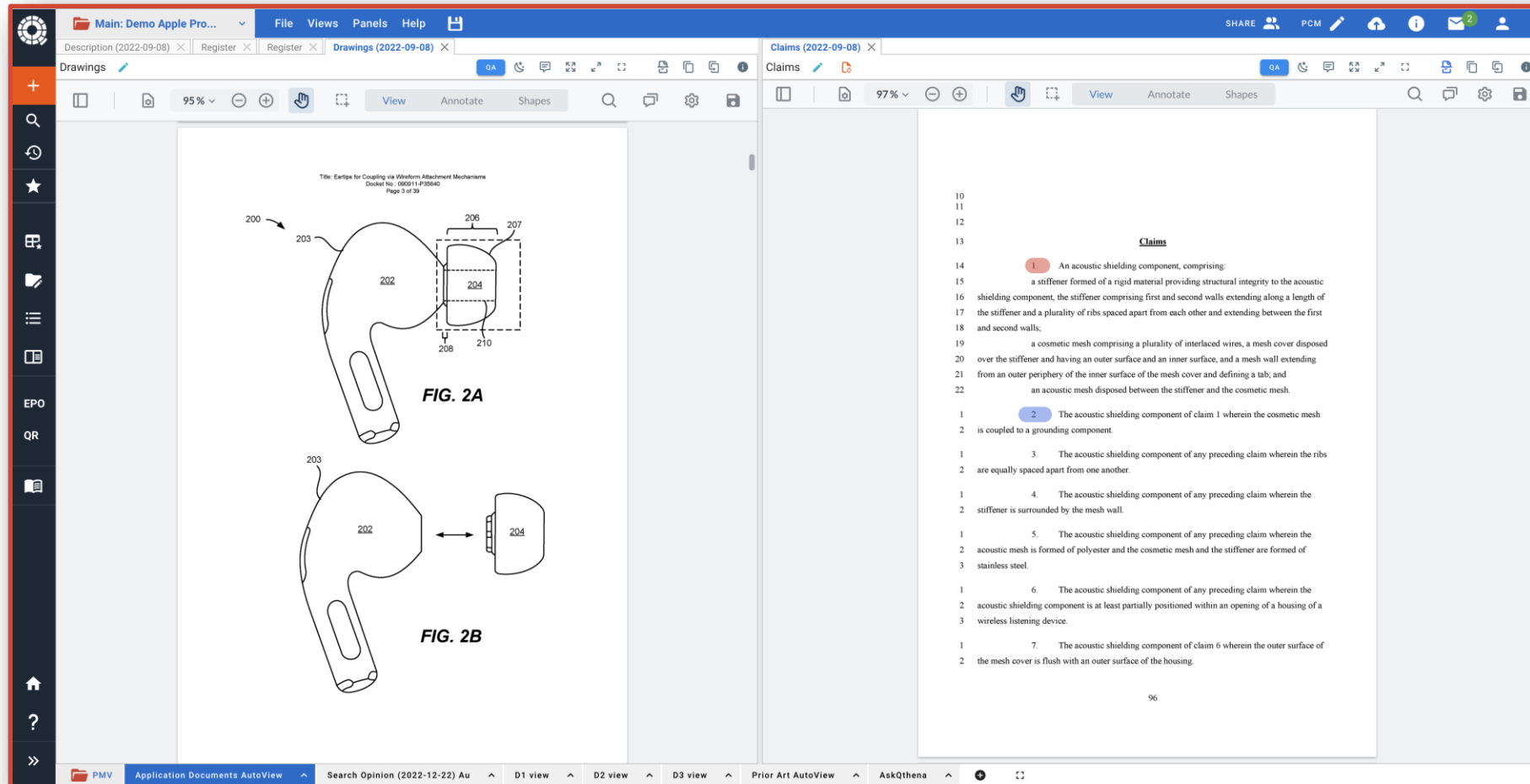
# Unified Digital Cockpit: Organized & Instant Access

The screenshot displays the Qthena Assistance software interface, which is a unified digital cockpit for managing legal documents. The interface is divided into several sections:

- Left Sidebar:** Contains navigation icons for home, search, and other functions. Below the icons is a list of document types: EPO, QR, and others.
- Top Bar:** Includes a menu bar with options like File, Views, Panels, and Help. It also features a search bar and a 'ONE-TIME UPDATE' button.
- Main Content Area:** Displays a list of documents with columns for Date, Document Type, Procedure, #Pages, Open, and Others. The list includes documents such as 'Annex to the communication', 'Communication from the Examining Division', and 'Description'.
- Right Panel:** Shows a detailed view of a document, including a 'References' section with citations like 'US 2017/192432 A1 (ARDEN JENNIFER [US] ET AL) 6 July 2017' and a 'Main Request' section with sub-sections like 'Sufficiency of Disclosure (Article 83 EPC)'.

With a simple publication number, you can **instantly retrieve, organize, and OCR** all necessary documents to allow you to begin your project quickly and easily!

# Seamless Synchronization: Same Document, Multiple Views



Project views allow you to **skip the hassle of rearranging and reopening documents** between sessions!

# Qthena Delivers Key Prosecution Insights Automatically

The screenshot displays the Qthena software interface, which is divided into several sections. On the left, there is a sidebar with navigation icons. The main area is split into two panes. The left pane, titled 'Qthena Assistance', contains text-based insights: 'A Summons to attend Oral Proceedings before the Examination Division has been issued.', '74.0% (247 out of 334 applications) of the decided EP applications identified as having the currently responsible Primary Examiner as the Primary Examiner in charge included the event Summons to Attend Oral Proceedings.', 'Out of these EP applications, 6.5% (16 out of 247 applications) still proceeded to grant.', and 'The actual Oral Proceedings took place in 53.4% of the applications with the Summons event (132 out of 247). The grant rate among these is 5.3%.' Below this text is a table with columns for Date, Document Type, Procedure, #Pages, Open, and Others. The table lists several documents, including 'Annex to the communication', 'Communication from the Examining Division', '(Electronic) Receipt', 'Amended description with annotations', 'Description', 'Letter accompanying subsequently filed items', 'Reply to communication from the Examining Division', and 'Communication from the Examining Division'. The right pane displays a patent document titled 'Annex to the communication'. The document includes a 'References' section with two entries: 'D1 US 2017/192432 A1 (ARDEN JENNIFER [US] ET AL) 6 July 2017 (2017-07-06)' and 'D2 US 2015/339928 A1 (RAMANUJAM MADHUSOODHAN [US]) 26 November 2015 (2015-11-26)'. It also includes a 'Main Request' section with three sub-sections: '2.1 Sufficiency of Disclosure (Article 83 EPC)', '2.2 Amendments (Article 123(2) EPC)', and '2.3 Inventive Step (Article 56 EPC)'. The document is dated '1/8-8/8' and 'as published'.

Date	Document Type	Procedure	#Pages	Open	Others
2023-09-15	<a href="#">Annex to the communication</a>	Search / examination	6		
2023-09-15	<a href="#">Communication from the Examining Division</a>	Search / examination	2		
2023-06-27	<a href="#">(Electronic) Receipt</a>	Search / examination	1		
2023-06-27	<a href="#">Amended description with annotations</a>	Search / examination	1		
2023-06-27	<a href="#">Description</a>	Search / examination	1		
2023-06-27	<a href="#">Letter accompanying subsequently filed items</a>	Search / examination	1		
2023-06-27	<a href="#">Reply to communication from the Examining Division</a>	Search / examination	4		
2023-02-21	<a href="#">Communication from the Examining Division</a>	Search / examination	2		
2023-02-21	<a href="#">Annex to the communication</a>	Search /	6		

**Instantly gain insights** into the application risk score, or examiner statistics to help you with your patent prosecution strategy.

# Effortless Collaboration

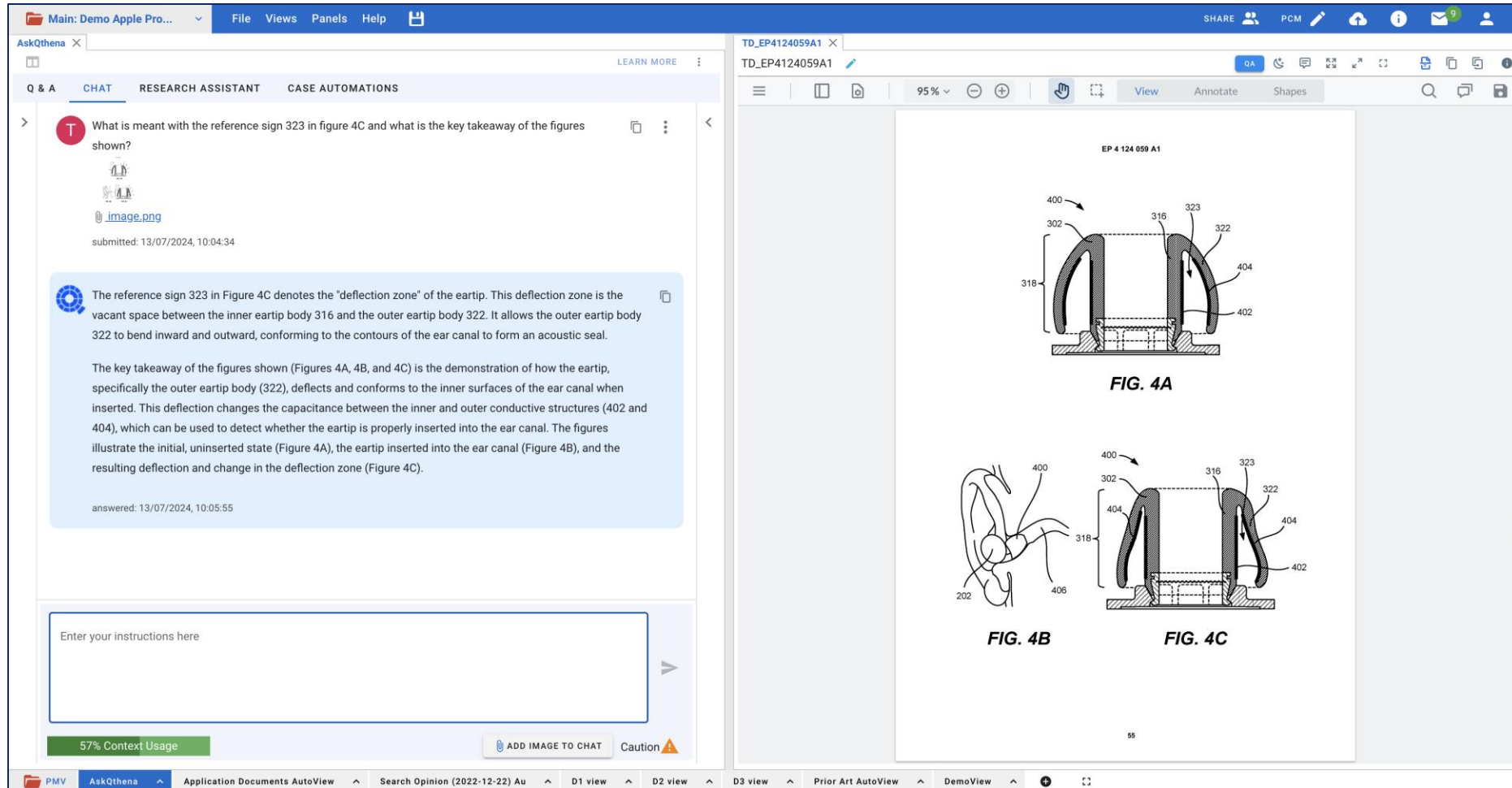
The screenshot illustrates a collaborative workspace with two side-by-side document views. The left view displays a technical drawing of a microphone housing with annotations and a comment from 'at@ipquants.com' asking for a review. The right view shows a corresponding text document with detailed technical descriptions of the microphone components. The interface includes a top navigation bar, a left sidebar with various tool icons, and a bottom status bar with multiple document tabs.



**Share projects, collaborate on documents, invite readers, and set time limits of project access quickly and easily!**

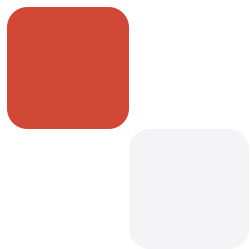


# Qthena Acts As Your Personal Patent Associate



The screenshot displays the Qthena application interface. On the left, a chat window titled 'AskQthena' shows a user query: 'What is meant with the reference sign 323 in figure 4C and what is the key takeaway of the figures shown?'. The response explains that reference sign 323 denotes the 'deflection zone' of the eartip, which is the space between the inner eartip body 316 and the outer eartip body 322. It further details that this zone allows the outer body to bend inward and outward, conforming to the ear canal to form an acoustic seal. The key takeaway is that the eartip's deflection changes the capacitance between the inner and outer conductive structures (402 and 404) to detect proper insertion. The chat window also shows a file upload icon, a link to 'image.png', a submission timestamp of '13/07/2024, 10:04:34', and an answer timestamp of '13/07/2024, 10:05:55'. At the bottom of the chat, there is a text input field with the placeholder 'Enter your instructions here', a '57% Context Usage' indicator, and buttons for 'ADD IMAGE TO CHAT' and 'Caution'. On the right, a document viewer displays a patent document titled 'TD\_EP4124059A1'. It shows three figures: FIG. 4A, FIG. 4B, and FIG. 4C. FIG. 4A is a cross-sectional view of the eartip assembly, showing the inner body 316, outer body 322, and conductive structures 402 and 404. FIG. 4B is a side view of the eartip assembly. FIG. 4C is a cross-sectional view of the eartip assembly, showing the inner body 316, outer body 322, and conductive structures 402 and 404. The document viewer also includes a toolbar with various icons for navigation and editing.

**Qthena can review documents and/or complete tasks in a secure and confidential manner by utilizing purpose-built Qthena Patent Skills.**



# **Qthena.** **Patent Prosecution Assistance.**



# Your Expert Digital Patent Assistant



**Main: Demo Apple Qth...** File Views Panels Help

AskQthena X

Q & A CHAT RESEARCH ASSISTANT CASE AUTOMATIONS

CREATE NEW SESSION +

Sessions

Filter by Session Name

D1, D2, ESO, MyApplication

**D1 Disclosure:**

- D1 discloses a wind noise reduction apparatus comprising a housing and a non-porous structure to divert wind away from a transducer element (page 1, lines 1-3; page 1, lines 8-9).
- The structure described in D1 is primarily focused on blocking and diverting wind rather than providing structural integrity via a stiffener with ribs and walls as described in your claim.

**Conclusion: Feature 1 is not disclosed in D1.**

**Feature 2: "a cosmetic mesh comprising a plurality of interlaced wires, a mesh cover disposed over the stiffener and having an outer surface and an inner surface, and a mesh wall extending from an outer periphery of the inner surface of the mesh cover and defining a tab"**

**D1 Disclosure:**

- D1 describes a non-porous structure formed of plastic or metal (claims 25 and 26), but it does not mention a cosmetic mesh comprising a plurality of interlaced wires, a mesh cover, or a mesh wall with a tab.

**Conclusion: Feature 2 is not disclosed in D1.**

**Feature 3: "an acoustic mesh disposed between the stiffener and the cosmetic mesh"**

**D1 Disclosure:**

- D1 describes various structures to reduce wind noise, including a solid non-porous component but does not mention an acoustic mesh

Enter your instructions here

62% Context Usage

ADD IMAGE TO CHAT Caution

D1\_GB2527784A PatentViewer European search... Search Assistance Register

D1\_GB2527784A

87% Annotate

24. The apparatus as claimed in any of claims 1 to 22, wherein the transducer element is a microElectrical-Mechanical System microphone.

25. The apparatus as claimed in any preceding claim, wherein the non-porous structure is a solid structure.

26. The apparatus as claimed in any preceding claim, wherein the non-porous structure is formed of plastic or metal.

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27. The apparatus as claimed in any preceding claim, wherein the non-porous structure is flat.

28. The apparatus as claimed in any of claims 1 to 26, wherein the non-porous structure is a three dimensional structure with an indentation or depression on a top surface forming a dimple or a concave portion in the top surface where the vertex of top surface is bent inwards towards the bottom surface.

29. The apparatus as claimed in claim 28, wherein the non-porous structure has a substantially V shaped cross section when viewed from one side in an orthogonal plane to the central axis of the structure.

30. The apparatus as claimed in claim 29, wherein a vertex of the V shaped structure points towards the input port of the transducer element.

31. The apparatus as claimed in claims 29 or 30, wherein V shaped legs extend outward away from the vertex and the input port of the transducer element.

32. The apparatus as claimed in claim 31, wherein the porous structure is formed of a disc.

33. The apparatus as claimed in claims 31 or 32, wherein the ends of each of the legs of the non-porous structure has rounded edges.


PMV AskQthena Application Documents (2022-09) Search Opinion (2022-12-23) Au Prior Art AutoView

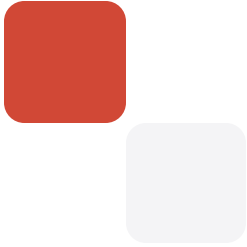


## In Summary:

- 
- **With**  **Qthena** **You Need:**
    - **To simply log in...**

- **Without Qthena You Need:**

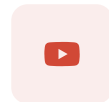
- **Adobe** to view and annotate PDF documents
  - **WORD** to take notes and draft letters
  - **EXCEL** to do big data analysis
  - **GPT** generative AI to chat with docs
  - **OneDrive** to store, share & collaborate across files
  - **Analytics tool** to get examiner, law firm, applicant stats
  - **Patent tool** for searching & downloading patents
  - **Translation tool** to understand all docs
  - **IT Team** for creating PDF OCR pipeline
  - **Data Scientist** to clean and structure data
  - **AI experts** to perform prompt engineering
  - **Patent attorney** expertise to optimize workflows
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  - **Patent data subscriptions** for legal events & file history data
  - *More space on this slide to explain everything else...*
- 



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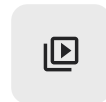
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Webinars



Resources



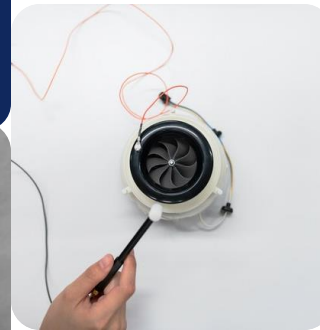
***Questel***

A world leader providing best-in-class solutions for Intellectual Property,  
Innovation, Legal Operations and Localization Management



# Need more information?

Questions?



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[ta@ipquants.com](mailto:ta@ipquants.com)

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