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## APPENDIX TO DECLARATION OF DR. TIM A. WILLIAMS:

### Exemplary Evidence of Bright Data Practicing Claims of U.S. Patent No. 10,257,319

Summary: In my opinion, Bright Data's residential proxy services practice at least claims 1-3, 17-18, 21-22, and 24-29 of U.S. Patent No. 10,257,319 as shown below.

| Claim No. | Claim Language | Exemplary Evidence of Bright Data Practicing the Claim |
|---|---|---|
| Claim 1 Preamble | A method for use with a first client device, for use with a first server that comprises a web server that is a Hypertext Transfer Protocol (HTTP) server that responds to HTTP requests, the first server stores a first content identified by a first content identifier, and for use with a second server, the method by the first client device comprising: | The Practicing Products are residential proxy services, each of which provides a system design and method for use with a web server that responds to Hypertext Transfer Protocol (HTTP) requests and stores a first content identified by a first content identifier, the method being performed by a first client device.

Bright Data's residential proxy service is based on its Residential Proxy Network comprising hardware products, software/firmware/application products, or any combination thereof, either stand-alone or integrated with other products, used for, or in conjunction with this service, including but not limited to Bright Data's Proxy Manager, Bright Data's Chrome extension, Bright Data's Android applications, Bright Data's Unblocker, Bright Data's Data Collection Automation product and Bright Data's API, as practicing the claims of the '319 Patent ("Practicing Products"). The Bright Data residential proxy service also includes an Android SDK, Windows SDK and Mac SDK, which provide the proxy client devices (e.g., connect peers) for Bright Data's Practicing Products.

The Practicing Products support sending HTTP requests to a web server that responds to HTTP requests. The Practicing Products fetch over the Internet a first content, such as digital data. As shown in the examples below, the Practicing Products can be used to receive digital data such as pricing information from a web server. This first content is identified by a first content identifier, which may include but is not limited to a URL or information derived from a URL. The first content may include bits, nibbles, bytes, characters, words, or strings, or may be composed of files, or programs. |

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| Claim No. | Claim Language | Exemplary Evidence of Bright Data Practicing the Claim |
|---|---|---|
| | | The Practicing Products comprise proxy client devices with residential IP addresses. A customer can send HTTP requests to the second server, e.g., Super Proxy, the second server can send HTTP requests to the proxy client device, which can send HTTP requests to the web server, which is an HTTP web server. The web server responds to HTTP requests by sending the requested content to the proxy client device, which sends the requested content back to the customer via the second server.<br><br>The Practicing Products comprise proxy client devices, including client devices such as laptops, desktops, tablets, smart TVs, mobile devices including smart phones which have, for example, downloaded Bright Data's SDK, each of which has its own identifier such as a residential IP address. Through the execution of Bright Data's software, including the SDK installed on the proxy client devices, these proxy client devices perform the claimed method steps of the '319 Patent, including the sending of its identifier to Bright Data's second server (e.g. Super Proxy), the receiving of requests for content from Bright Data's second server (e.g., Super Proxy), the sending of the requests to a first server that is a web server, the receiving of the corresponding requested content from the first server, and the sending of that content to Bright Data's second server (e.g., Super Proxy) to go on to the customer.<br><br>*See, e.g.,* |

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|---|---|---|
|  |  | 🏠 **RESIDENTIAL PROXIES**<br><br>The world's #1 Residential Proxy Network enables you to access any website content regardless of location, while avoiding IP bans and CAPTCHAs. Bright Data's Residential Proxies provide the most comprehensive geographic coverage, covering 195 locations including country and city-level website targeting. With 72 million+ real IPs, shared by real people in our community-sharing network, the Residential Network enables you to scale your data collection projects with the highest speeds and success rates.<br><br>✔ 72 million+ real residential IPs    ✔ Fastest residential speeds<br>✔ The industry's most popular & most trusted residential network    ✔ 99.99% uptime - extremely stable<br>✔ 100% ethically-sourced proxies in resource-sharing community    ✔ Gather vast amounts of public web data with total anonymity<br><br>https://brightdata.com/proxy-types (EX. 2029) |

| Claim No. | Claim Language | Exemplary Evidence of Bright Data Practicing the Claim |
|---|---|---|
| | |  |

SUPER PROXY SERVERS

For optimized performance and the fastest response times, leverage Bright Data Super Proxy Servers located across the globe. Super proxies have efficient traffic ratios and a network that can handle huge fluctuations in traffic with increased speeds because of their size and locations.

- Broadest geographic coverage
- The industry's best-performing Super Proxy Servers
- Fastest response time in the industry
- Easy integration for developers
- Works superbly well regardless of traffic scale
- 2,600+ Super Proxy Servers stationed close to our peers across the globe for fastest service

https://brightdata.com/proxy-types (EX. 2029)

**When should I use the residential network?**

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The Residential network contains real users IPs, with real ISP signature. When using the residential type of IPs, it is harder for target sites to deliver misleading information and require less efforts on your side to get the real data you need. In addition, the residential network gives you access to a vast network, which helps you to scale up according to your needs. To summarize, you should use the residential network if the signature of the IP is important for your different activities, and/or if you are getting blocked by your target site.

https://help.brightdata.com/hc/en-us/articles/4413156951825-When-should-I-use-the-residential-network- (EX. 2035)

| Claim No. | Claim Language | Exemplary Evidence of Bright Data Practicing the Claim |
|---|---|---|
|  |  | **What are the benefits of using a residential network?**<br><br>Gain the ability to access and crawl sophisticated target websites that your business would not otherwise have access to because of location-based blockades. You'll be able to crawl, view information and collect data using real user IPs–see how your ads appear to consumers around the world, or what prices are being displayed to customers in another location. Send an increased number of concurrent requests meaning your data collection efforts will almost never be slowed down by proxies or target sites.<br><br>https://brightdata.com/proxy-types/residential-proxies (EX. 2014)<br><br>**How does Bright Data acquire its residential IPs?**<br><br>Bright Data has built a unique consumer IP model by which all involved parties are fairly compensated for their voluntary participation. App owners install a unique Software Development Kit (SDK) to their applications and receive monthly remuneration based on the number of users who opt-in. App users can voluntarily opt-in and are compensated through an ad-free user experience or enjoy an upgraded version of the app they are using for free. These consumers or 'peers' serve as the basis of our network and can opt-out at any time. This model has brought into existence an unrivaled, first of its kind, ethically sound, and compliant network of real consumers.<br><br>https://brightdata.com/proxy-types/residential-proxies (EX. 2014)<br><br>**Minimum costs for buying IPs when your project requires sending 1000 requests per hour**<br><br>| Project components | 200 Shared data center IPs | 200 Dedicated data center IPs | 22,000,000 Residential IPs |<br>|---|---|---|---|<br>| IPs | $100 | $500 | $500 |<br>| Bandwidth (14.5GB a month) | $3 | $3 | $0 |<br>| Developer time (assuming $30 per hour) | $1800 (6 days a month) | $900 (3 days a month) | $60 (2 hours) |<br>| TOTAL | $1903 | $1403 | $560 |<br><br>https://help.brightdata.com/hc/en-us/articles/4413161607441-Cost-effectiveness-of-residential-IPs (EX. 2036)(" Your information is always reliable because your requests are always successful and access is never cut in the middle of the month.") |

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