

U.S. PATENT NO. 10,425,697 V/S SPORTRADAR LIVE CHANNEL TRADING

I. INTRODUCTION

The chart below demonstrates how Defendant Sportradar Group, AG (“Defendant” or “Sportradar”) as well as Defendant’s partners, customers, and end users of the products and features discussed below, directly infringe, either literally or under the doctrine of equivalents, at least claims 19 and 20 of U.S. Patent No. 10,425,697 (“the ’697 Patent”). Defendant and Defendant’s partners, customers, and end users directly infringe the identified claims at least by making, using, selling, installing, configuring to operate, importing, testing, and/or offering to sell at least Defendant’s Sportradar Live Channel Trading and other offerings and services that integrate with Defendant’s Sportradar Live Channel Trading (collectively, “the Accused Products”) either alone, and/or when installed and operated as designed and intended on a computer system or network, as detailed below.

Each element of each asserted claim is presently alleged to be literally present. Because discovery has not started and the Asserted Claims have not yet been construed, SportsCastr Inc. (d/b/a PANDA Interactive) (“Plaintiff” or “PANDA”) reserves the right to supplement its contentions, including with respect to the Doctrine of Equivalents as appropriate. In addition, any of Defendant’s products that perform similar functions and/or incorporate or rely on the same or similar functionality (for example, without limitation, any predecessor or successor products performing the same functions in the same ways or products which use the same software, plugins, or libraries or call the functions underlying the operations identified below) as the Accused Products also infringe in the manner set out below.

Defendant directly infringes at least claims 19 and 20 of the ’697 Patent, either literally or under the doctrine of equivalents, by making, using, offering to sell and selling the systems described below. Defendant’s partners, customers, and end users of its Accused Products and corresponding systems and services directly infringe at least claims 19 and 20 of the ’697 Patent, literally or under the doctrine of equivalents, at least by using the Accused Products and corresponding systems and services, as described below.

Defendant has actively induced and are actively inducing infringement of at least claims 19 and 20 of the ’697 Patent with specific intent to induce infringement, and/or willful blindness to the possibility that its acts induce infringement, in violation of 35 U.S.C. § 271(b). For example, Defendants encourages and induces customers to use Sportradar Live Channel Trading in a manner that infringes claims 19 and 20 of the ’697 Patent at least by offering and providing the software and by engaging in activities relating to selling, marketing, advertising, promotion, installation, support, and distribution of the Accused Products.

Defendant encourages, instructs, directs, and/or requires third parties—including its certified partners and/or customers—to use the Accused Products in infringing ways. Defendants further encourages and induces its customers to infringe claims 19 and 20 of the '697 Patent: 1) by widely advertising those services, and providing technical support and instructions to users, and 2) through activities relating to marketing, advertising, promotion, installation, support, and distribution of the Accused Products, including its video streaming software, and services in the United States. (*See*, PANDA-SR_000193-PANDA-SR_000198, <https://www.betradar.com/live-streaming/live-channel-trading/>.) Further, as the entity that provides installation, implementation, and integration of the Accused Products in addition to ensuring the Accused Product remains operational for each customer through ongoing technical support, on information and belief, Defendant and/or its partners affirmatively aid and abet each customer's use of the Accused Products in a manner that infringes the '697 Patent.

Defendant also contributes to the infringement of its partners, customers, and end-users of the Accused Products by providing within the United States or importing into the United States the Accused Products, constituting a material part of the inventions claimed, and not a staple article or commodity of commerce suitable for substantial non-infringing uses. Indeed, as shown below, the Accused Products have no substantial non-infringing uses because the accused functionality, including the one-to-many socket architecture and separate channels for video and event information, is an integral part of the Accused Products and must be performed for the Accused Products to perform their intended purpose. These functionalities are continually running when the system is in use and, on information and belief, cannot be removed or disabled (or, if they could, the system would no longer suitably function for its intended purpose). Moreover, for the same reasons, without the system and components identified below that practice the '697 Patent, that functionality could not be performed. Additionally, the accused functionality, including the one-to-many socket architecture and separate channels for video and event information, itself has no substantial non-infringing uses because the components, modules and methods identified below are a necessary part of that functionality. For example, without the one-to-many socket architecture, the Accused Products could not effectively synchronize the event information across multiple viewers. These functionalities are continually running when the system is in use and cannot be removed or disabled (or, if they could, the system would no longer suitably function for its intended purpose). Moreover, for the same reasons, without the system and components identified below that practice claimed in the '697 Patent, that functionality could not be performed.

Indeed, as shown below, the Accused Products have no substantial non-infringing uses because the accused functionality is an integral part of the Accused Products and must be performed for the Accused Products to perform their intended purpose. For example, at least the functionalities and corresponding modules (whether software and/or hardware) described below have no suitable non-infringing use and form a material part of the Accused Products. In other words, when each of the Accused Products operates, the functions below are performed. Moreover, when the functionality and modules specifically described below are operated, they perform

the steps described below. The Accused Products (and the specific modules and functionalities described herein) are designed and intended specifically to perform the inventions claimed in the Asserted Claims, and do not have any other purpose. For example, the Accused Products and accused functionalities (e.g., the one-to-many architecture) constitute a material part of the inventions claimed because such architecture is integral to the system as recited in the claims of the '697 Patent. None of these products are staple goods—they are sophisticated and customized video streaming products, methods, and systems.

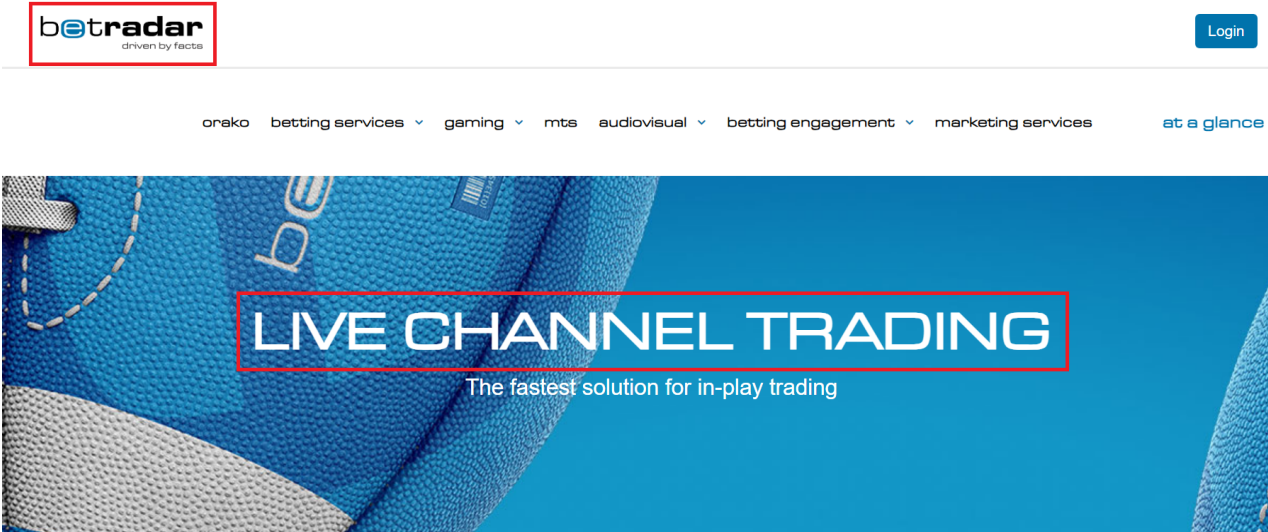
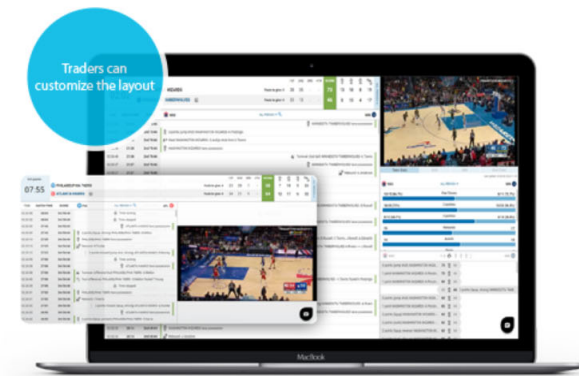
Plaintiff provides the following example claim charts based on currently available information, including through public sources. Plaintiff reserves the right to modify, amend, or supplement these claim charts should it become aware of additional information regarding the Accused Products and systems, including through discovery, or should one or more claims be construed in a manner differently than interpreted herein.

II. CLAIM CHARTS

1. Independent Claim 19

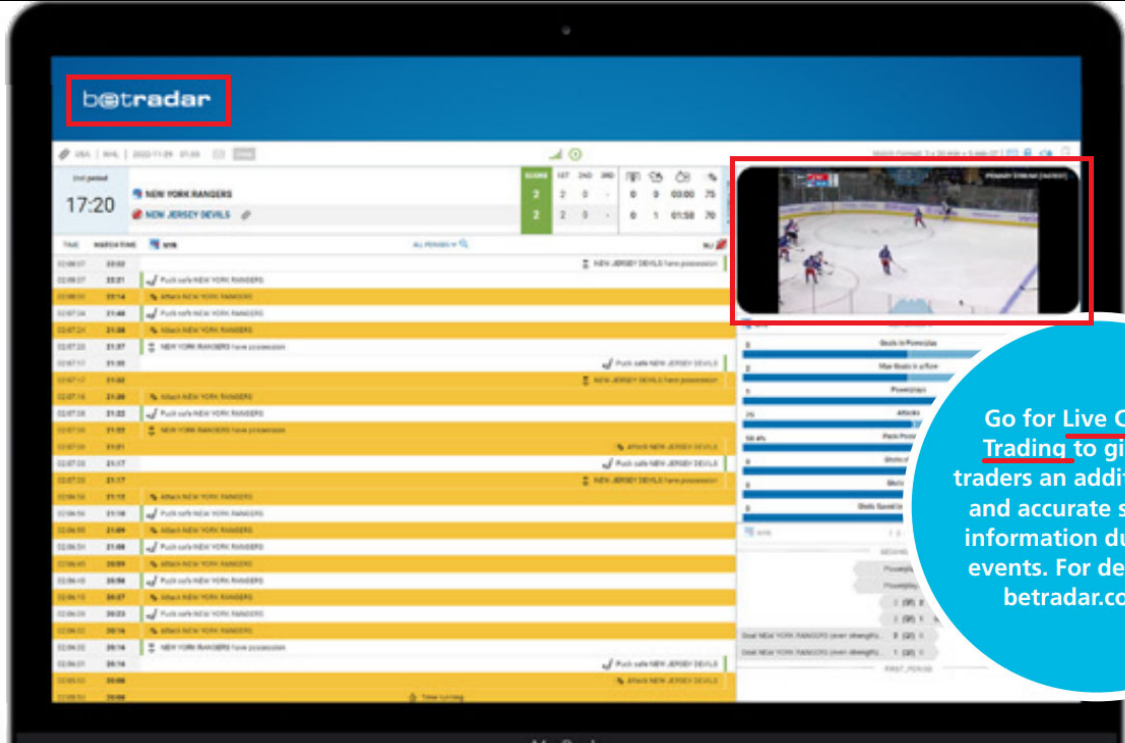
Key Features	Accused Product
[19P] A system for providing a first plurality of copies of a first broadcaster's live stream of digital content including first video-based commentary about a first live sporting event from a first broadcaster client device to a first plurality of viewer client devices, and for providing a second plurality of copies of a second broadcaster's live stream	<p>Sportradar Live Channel Trading, which is offered under their brand name Betradar, discloses “<i>A system for providing a first plurality of copies of a first broadcaster's live stream of digital content including first video-based commentary about a first live sporting event from a first broadcaster client device to a first plurality of viewer client devices, and for providing a second plurality of copies of a second broadcaster's live stream of digital content including second video-based commentary about a second live sporting event from a second broadcaster client device to a second plurality of viewer client devices,</i>”¹.</p> <p>For example, Sportradar live channel trading provides videos, including live videos to traders, integrated with a trading environment. Multiple live events are streamed to multiple clients. As stated below, Sportradar Live Channel Trading comprises a live video streaming system that provides audiovisual game feeds.</p>

¹ Claim language is emphasized with italics, throughout.

Key Features	Accused Product
<p>of digital content including second video-based commentary about a second live sporting event from a second broadcaster client device to a second plurality of viewer client devices, the system comprising:</p>	<div data-bbox="569 240 1829 769">  </div> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <div data-bbox="569 906 1081 943"> <h2>LIVE CHANNEL TRADING</h2> </div> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <div data-bbox="1289 911 1864 1284">  </div> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p>

Key Features	Accused Product
	<p>As shown, Sportradar's Live Channel Trading provides matches using its live video streaming system that offers ultra-low latency.</p> <div data-bbox="583 397 1577 462"> <h2><u>Live Channel Trading</u></h2> Find out more </div> <div data-bbox="583 548 976 609"> <p>Traders are only as good as the information they're working with</p> </div> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> <div data-bbox="583 857 737 885"> <p>What you'll get</p> </div> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. <div data-bbox="1150 581 1512 609"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1150 641 1251 669"> <p>Integrated</p> </div> <p><u>LCT is combined with our Live Data Client</u>, so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> <div data-bbox="1150 889 1266 917"> <p>Stand-alone</p> </div> <p>You can also use the trading streams without our Live Data solutions.</p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>

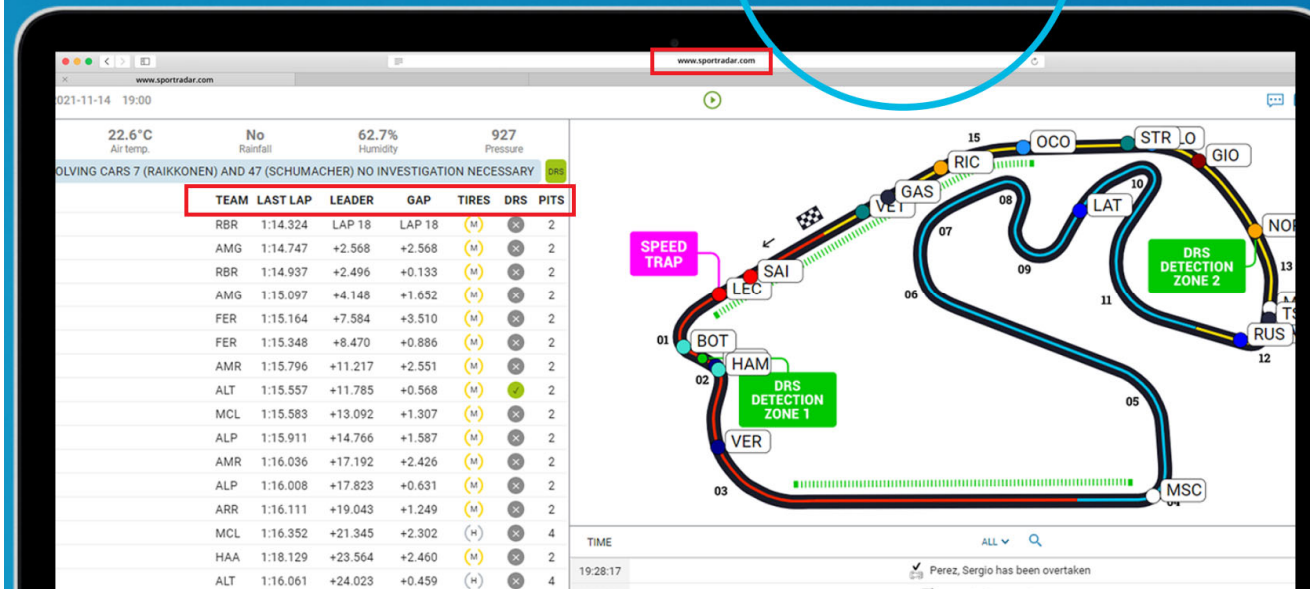


Key Features	Accused Product
	 <p>Go for Live Channel Trading to give your traders an additional fast and accurate source of information during live events. For details visit betradar.com/lct</p> <p>See, https://betradar.com/wp-content/uploads/sites/4/2023/02/Betradar-Product-Brochure-2023.pdf</p>

Key Features	Accused Product
	 <p>capabilities, we're very excited about the <u>new betting markets that can be created live</u></p> <p>See, https://sportradar.com/case-study-mlb/?lang=en-us</p> <p>In addition, Sportradar's Live Channel Trading provides sporting events via live streaming over a communication channel and that the live stream can be provided in a variety of data formats (e.g., MPEG-DASH, MP4).</p>

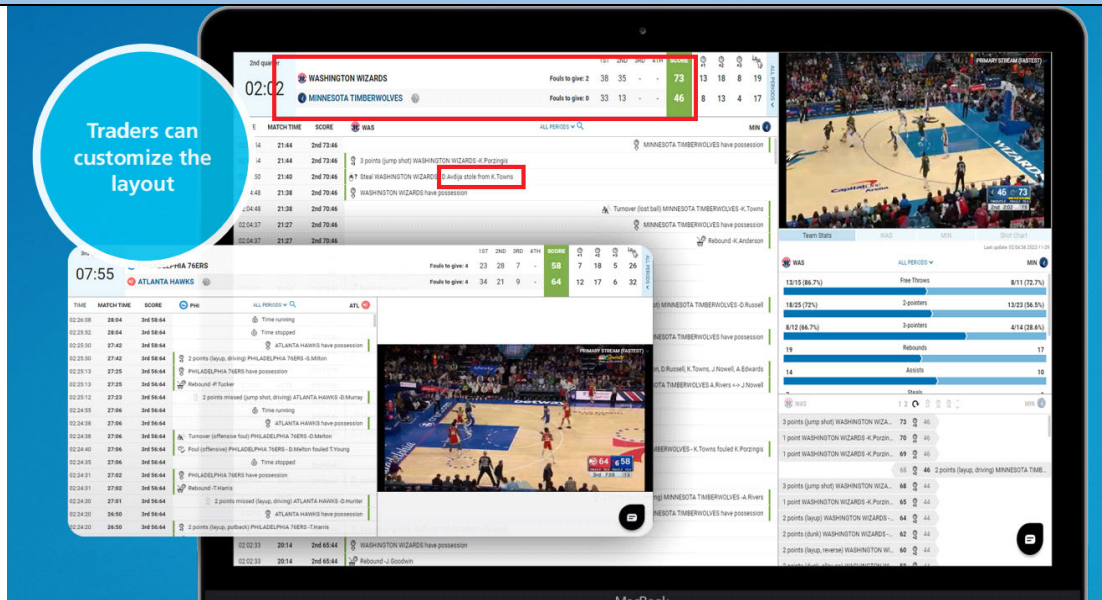
Key Features	Accused Product
	<p data-bbox="690 240 1062 272"><u>Get more from streaming</u></p> <p data-bbox="611 362 1150 735">We believe more is possible. More choice. More speed. <u>More flexibility of formats, of platforms.</u> More ways to engage. More imaginative solutions. That's why we've created a video streaming offer where more is always possible. With more than 400,000 live streams, we're always building more breadth and choice in content. With cutting-edge data and tech capabilities, we're always creating more dynamic experiences. Through our network, we're always enabling more ways to use live video content and reach fans. This ultimately is driving more loyalty. Which means more value for you. We think beyond what's expected. Beyond what's out there. So, for you and your business, more is possible.</p> <p data-bbox="569 756 1545 824"><i>See, PANDA-SR_000029 at PANDA-SR_000030, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</i></p> <p data-bbox="569 873 1829 941">As shown, Sportradar's Live Channel Trading provides an AV Video Player that can be used as an embedded player next to sports betting offer as well as a pop-up player.</p> <p data-bbox="583 997 1583 1029"><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p data-bbox="583 1070 1808 1218"><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p data-bbox="583 1268 1808 1333">Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p data-bbox="569 1338 1818 1406"><i>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</i></p>

Key Features	Accused Product
	<p>As shown below, Sportradar's Live Channel Trading's AV Video Player supports multiple formats and is streamed from a media source to a user device, such as a desktop or mobile browser (<i>second plurality of viewer client devices</i>).</p> <div data-bbox="569 431 1864 683"> <p><u>The benefits of Betradar's AV Video Player</u></p> <p><u>1. HTML-5 Player with broad format support</u></p> <p>You receive one dedicated player for all necessary video streaming formats across any desktop and mobile browser, including HLS, MPEG-DASH, WebRTC, RTMP and MP4.</p> </div> <p>See, PANDA-SR_000110, https://www.betradar.com/news-archive/the-top-10-benefits-of-our-new-audio-visual-player/</p> <p>Furthermore, Sportradar Live channel trading's live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks. The intelligence, including e.g., Milestones, Leaderboards, Highs, Probabilities, team information (e.g., , team names, abbreviations and/or logos), score information, etc., is different for different live stream events and is transmitted to respective customers.</p>

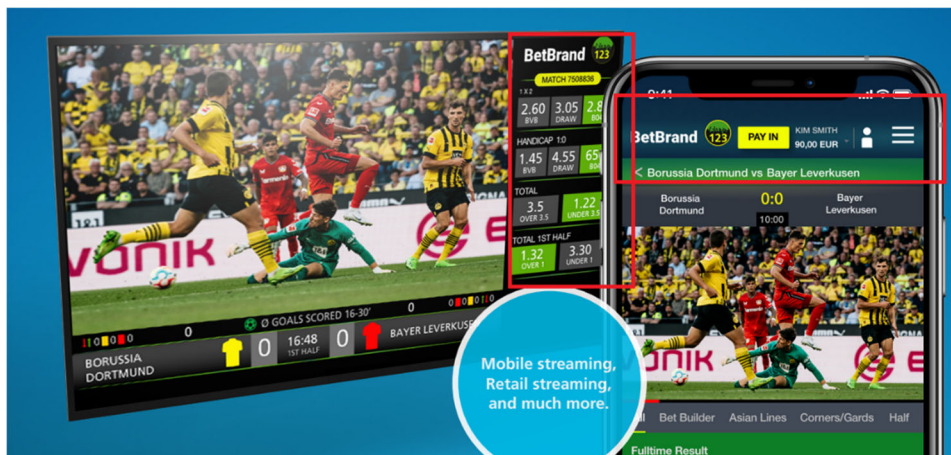
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	<div><p>The screenshot displays the Sportradar website interface for a live F1 race. On the left, a table lists driver performance metrics. On the right, a track map shows the race progress. A red box highlights the table headers, and a blue circle highlights the Sportradar logo.</p><table><tr><th>TEAM</th><th>LAST LAP</th><th>LEADER</th><th>GAP</th><th>TIRES</th><th>DRS</th><th>PITS</th></tr><tr><td>RBR</td><td>1:14.324</td><td>LAP 18</td><td>LAP 18</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>AMG</td><td>1:14.747</td><td>+2.568</td><td>+2.568</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>RBR</td><td>1:14.937</td><td>+2.496</td><td>+0.133</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>AMG</td><td>1:15.097</td><td>+4.148</td><td>+1.652</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>FER</td><td>1:15.164</td><td>+7.584</td><td>+3.510</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>FER</td><td>1:15.348</td><td>+8.470</td><td>+0.886</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>AMR</td><td>1:15.796</td><td>+11.217</td><td>+2.551</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>ALT</td><td>1:15.557</td><td>+11.785</td><td>+0.568</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>MCL</td><td>1:15.583</td><td>+13.092</td><td>+1.307</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>ALP</td><td>1:15.911</td><td>+14.766</td><td>+1.587</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>AMR</td><td>1:16.036</td><td>+17.192</td><td>+2.426</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>ALP</td><td>1:16.008</td><td>+17.823</td><td>+0.631</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>ARR</td><td>1:16.111</td><td>+19.043</td><td>+1.249</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>MCL</td><td>1:16.352</td><td>+21.345</td><td>+2.302</td><td>(H)</td><td>⊗</td><td>4</td></tr><tr><td>HAA</td><td>1:18.129</td><td>+23.564</td><td>+2.460</td><td>(M)</td><td>⊗</td><td>2</td></tr><tr><td>ALT</td><td>1:16.061</td><td>+24.023</td><td>+0.459</td><td>(H)</td><td>⊗</td><td>4</td></tr></table><p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p><p>Underpinned by the largest network of data journalists in the world</p><p><u>Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.</u></p><p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p></div>	TEAM	LAST LAP	LEADER	GAP	TIRES	DRS	PITS	RBR	1:14.324	LAP 18	LAP 18	(M)	⊗	2	AMG	1:14.747	+2.568	+2.568	(M)	⊗	2	RBR	1:14.937	+2.496	+0.133	(M)	⊗	2	AMG	1:15.097	+4.148	+1.652	(M)	⊗	2	FER	1:15.164	+7.584	+3.510	(M)	⊗	2	FER	1:15.348	+8.470	+0.886	(M)	⊗	2	AMR	1:15.796	+11.217	+2.551	(M)	⊗	2	ALT	1:15.557	+11.785	+0.568	(M)	⊗	2	MCL	1:15.583	+13.092	+1.307	(M)	⊗	2	ALP	1:15.911	+14.766	+1.587	(M)	⊗	2	AMR	1:16.036	+17.192	+2.426	(M)	⊗	2	ALP	1:16.008	+17.823	+0.631	(M)	⊗	2	ARR	1:16.111	+19.043	+1.249	(M)	⊗	2	MCL	1:16.352	+21.345	+2.302	(H)	⊗	4	HAA	1:18.129	+23.564	+2.460	(M)	⊗	2	ALT	1:16.061	+24.023	+0.459	(H)	⊗	4
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Key Features

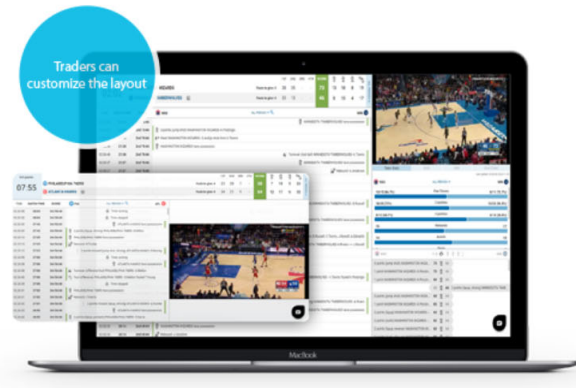
Accused Product

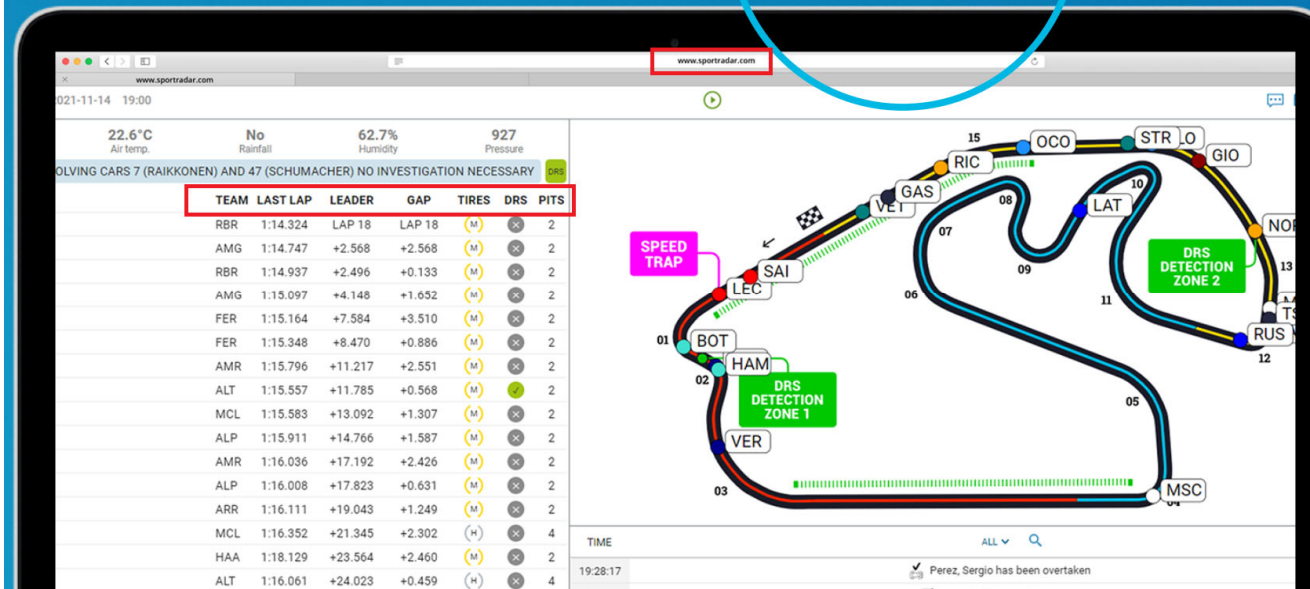


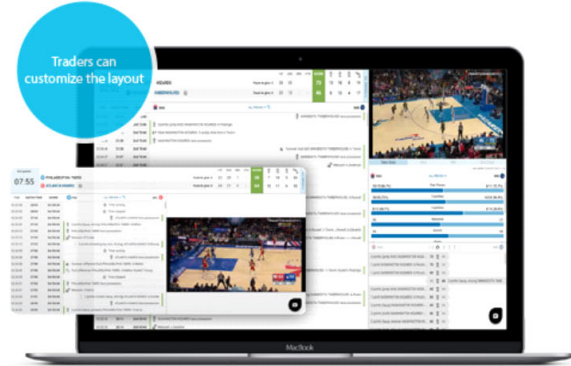
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Key Features	Accused Product
	<p>See, PANDA-SR_000029 at PANDA-SR_000031, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>
<p>[19A] a plurality of media sources to:</p>	<p>Sportradar Live Channel Trading includes “<i>plurality of media sources.</i>”</p> <p>For example, Sportradar has an in-house video delivery network (VDN) that provides live video streaming to customers. Further, all the Audio-Visual products (including Live Channel Trading) use an Audio-Visual (AV) video player developed by Sportradar. The AV video player includes, e.g., a HTML5 player.</p> <p>Underpinned by the largest network of data journalists in the world</p> <p><u>Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we’re constantly setting, and pushing, the standard when it comes to selection, training and quality control.</u></p> <p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p>

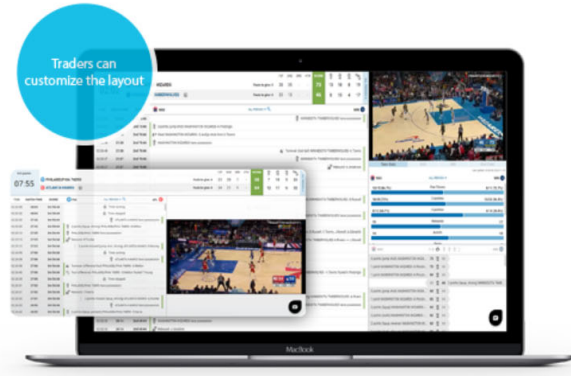
Key Features	Accused Product
	<p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <p>Further, Sportradar Live channel trading's live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks. The intelligence, including e.g., Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos), score information, etc., is different for different live stream events and is transmitted to respective customers.</p> 

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	<div><p>The screenshot displays the Sportradar website interface. On the left, a table lists driver performance data for a race. The table has columns for TEAM, LAST LAP, LEADER, GAP, TIRES, DRS, and PITS. The data is as follows:</p><table><tr><th>TEAM</th><th>LAST LAP</th><th>LEADER</th><th>GAP</th><th>TIRES</th><th>DRS</th><th>PITS</th></tr><tr><td>RBR</td><td>1:14.324</td><td>LAP 18</td><td>LAP 18</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMG</td><td>1:14.747</td><td>+2.568</td><td>+2.568</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>RBR</td><td>1:14.937</td><td>+2.496</td><td>+0.133</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMG</td><td>1:15.097</td><td>+4.148</td><td>+1.652</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>FER</td><td>1:15.164</td><td>+7.584</td><td>+3.510</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>FER</td><td>1:15.348</td><td>+8.470</td><td>+0.886</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMR</td><td>1:15.796</td><td>+11.217</td><td>+2.551</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALT</td><td>1:15.557</td><td>+11.785</td><td>+0.568</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>MCL</td><td>1:15.583</td><td>+13.092</td><td>+1.307</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALP</td><td>1:15.911</td><td>+14.766</td><td>+1.587</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>AMR</td><td>1:16.036</td><td>+17.192</td><td>+2.426</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALP</td><td>1:16.008</td><td>+17.823</td><td>+0.631</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ARR</td><td>1:16.111</td><td>+19.043</td><td>+1.249</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>MCL</td><td>1:16.352</td><td>+21.345</td><td>+2.302</td><td>(H)</td><td>×</td><td>4</td></tr><tr><td>HAA</td><td>1:18.129</td><td>+23.564</td><td>+2.460</td><td>(M)</td><td>×</td><td>2</td></tr><tr><td>ALT</td><td>1:16.061</td><td>+24.023</td><td>+0.459</td><td>(H)</td><td>×</td><td>4</td></tr></table><p>On the right, a track map shows the race progress with various driver positions marked by colored dots and labels (e.g., BOT, HAM, VER, MSC, LAT, GAS, RIC, OCO, STR, GIO, NO, T, RUS). A 'SPEED TRAP' is indicated on the left side of the track. A 'DRS DETECTION ZONE 1' and 'DRS DETECTION ZONE 2' are highlighted in green. A notification at the bottom right states 'Perez, Sergio has been overtaken'.</p><p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p></div>	TEAM	LAST LAP	LEADER	GAP	TIRES	DRS	PITS	RBR	1:14.324	LAP 18	LAP 18	(M)	×	2	AMG	1:14.747	+2.568	+2.568	(M)	×	2	RBR	1:14.937	+2.496	+0.133	(M)	×	2	AMG	1:15.097	+4.148	+1.652	(M)	×	2	FER	1:15.164	+7.584	+3.510	(M)	×	2	FER	1:15.348	+8.470	+0.886	(M)	×	2	AMR	1:15.796	+11.217	+2.551	(M)	×	2	ALT	1:15.557	+11.785	+0.568	(M)	×	2	MCL	1:15.583	+13.092	+1.307	(M)	×	2	ALP	1:15.911	+14.766	+1.587	(M)	×	2	AMR	1:16.036	+17.192	+2.426	(M)	×	2	ALP	1:16.008	+17.823	+0.631	(M)	×	2	ARR	1:16.111	+19.043	+1.249	(M)	×	2	MCL	1:16.352	+21.345	+2.302	(H)	×	4	HAA	1:18.129	+23.564	+2.460	(M)	×	2	ALT	1:16.061	+24.023	+0.459	(H)	×	4
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[19A.1] receive the first broadcaster's live stream of digital content and the second broadcaster's live stream of digital content;	<p>Sportradar Live Channel Trading includes “a plurality of media sources to ... receive the first broadcaster's live stream of digital content and the second broadcaster's live stream of digital content.”</p> <p>Sportradar Live Channel Trading, which is offered under their brand name Betradar, provides videos, including live videos to traders, integrated with a trading environment. Multiple live events are streamed, to multiple clients.</p>																																																																																																																							

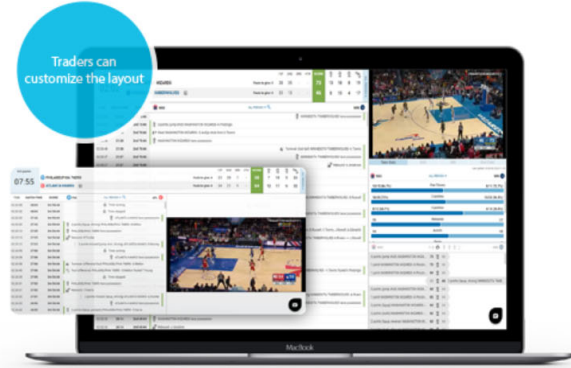
Key Features	Accused Product
	<p>headquarters in St. Gallen, an international company analyzes sports data and including live results and offers white-label digital solutions for bookmakers, sports and media companies</p> <p>public Internet for contributing much of its live stream content. Today, <u>Betradar Live Channel receives more than 35,000 IP streams from a large number of venues and production sites across the globe for these sporting events in broadcast quality and ingests the video signal into its data</u></p> <p>See, PANDA-SR_000184, https://www.ibm.com/aspera/pdfs/Sportradar_AspiraCS_2017.pdf</p> <p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> 

Key Features	Accused Product
	<p data-bbox="583 245 1583 277"><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p data-bbox="583 318 1806 464">Our fully hosted <u>Betradar AV Video Player</u> simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. <u>The software can be used as an embedded player next to your sports betting offer as well as a pop-up player.</u> Furthermore, <u>Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p data-bbox="583 516 1806 581">Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p data-bbox="569 586 1818 659">See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</p> <div data-bbox="583 708 1148 764"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1430 704 1577 753"> Find out more </div> <div data-bbox="583 857 974 914"> <p>Traders are only as good as the information they're working with</p> </div> <p data-bbox="583 951 1008 1036">So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> <p data-bbox="583 1044 1024 1130">You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams</u> that are significantly faster than any TV broadcaster.</p> <p data-bbox="583 1170 737 1190">What you'll get</p> <ul data-bbox="583 1198 1008 1377" style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. <div data-bbox="1148 889 1509 914"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1148 951 1251 971"> <p>Integrated</p> </div> <p data-bbox="1148 984 1528 1162"><u>LCT is combined with our Live Data Client</u>, so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> <div data-bbox="1148 1198 1264 1218"> <p>Stand-alone</p> </div> <p data-bbox="1148 1230 1528 1284">You can also use the trading streams without our Live Data solutions.</p>

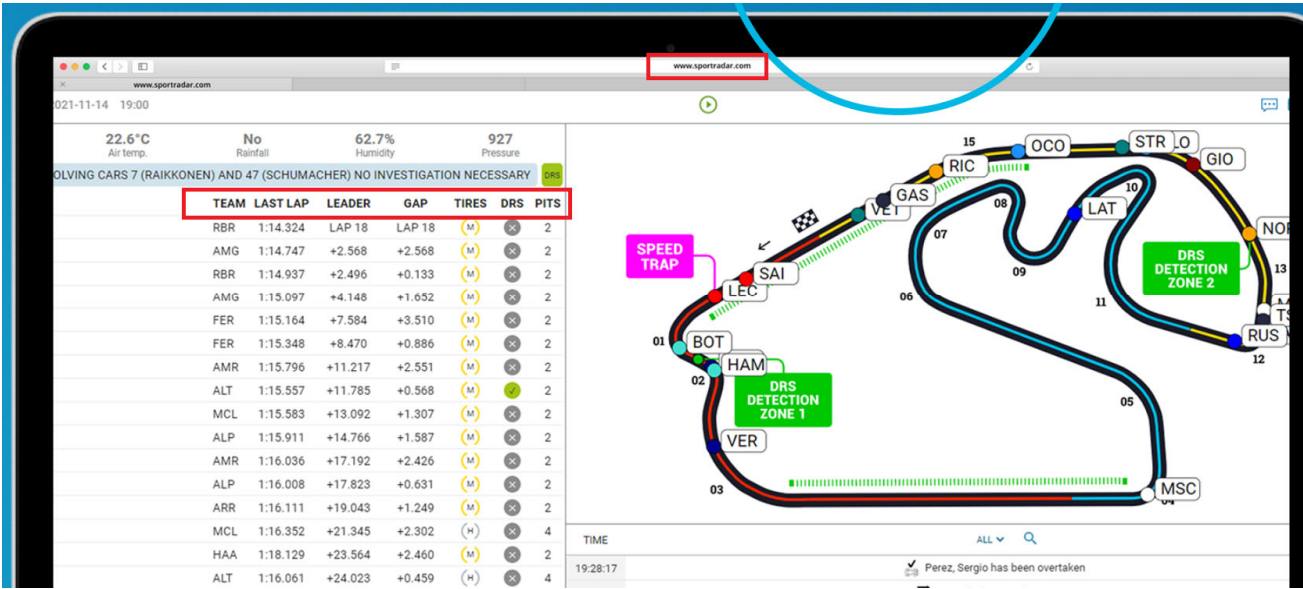
Key Features	Accused Product
	<p data-bbox="569 240 1545 310"><i>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</i></p> <div data-bbox="600 383 1020 456"> <p>Unrivalled data depth to support more betting markets</p> </div> <p data-bbox="600 545 989 727">A sportsbook lives or dies on data. To cover a multitude of sports and markets, the data you use has to be accurate, rapid, secure and plentiful. That's exactly what you get with us.</p> <p data-bbox="600 740 1010 922">For over a decade, our 9,500 data journalists have been collecting more live data than anyone else in the business, across 35 data applications and feeds, covering more than 30 sports.</p> <p data-bbox="600 935 1016 1036">That all floods into an offering the gaming industry relies on: the Betradar Live Data Service.</p> <p data-bbox="600 1049 989 1117">Welcome to the beating heart of live sports data.</p> <div data-bbox="1142 383 1325 415"> <p>What to expect</p> </div> <div data-bbox="1142 456 1650 496"> <p> Up to 780,000 events a year - and rising</p> </div> <div data-bbox="1142 529 1472 578"> <p> 30+ sports and esports</p> </div> <div data-bbox="1142 610 1745 691"> <p> Most events covered directly from the venue and delivered within two seconds</p> </div> <div data-bbox="1142 724 1829 846"> <p> 9,500 local data journalists plus 12,000 umpires and referees, so you can trade practically any major live event in the world</p> </div> <div data-bbox="1142 878 1787 967"> <p> Data transmitted by our unique in-house apps means you're guaranteed accuracy and security</p> </div> <div data-bbox="1142 1000 1818 1122"> <p> Choose from either our Live Data XML feed, tailor-made for your needs, or the Live Data Client, our web-based graphical interface</p> </div> <p data-bbox="569 1170 1619 1243"><i>See, PANDA-SR_000113 at PANDA-SR_000114, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</i></p>
[19A.2] provide a first copy of the first plurality	Sportradar Live Channel Trading includes “a plurality of media sources to ... provide a first copy of the first plurality of copies to a first viewer client device of the first plurality of viewer client devices via a

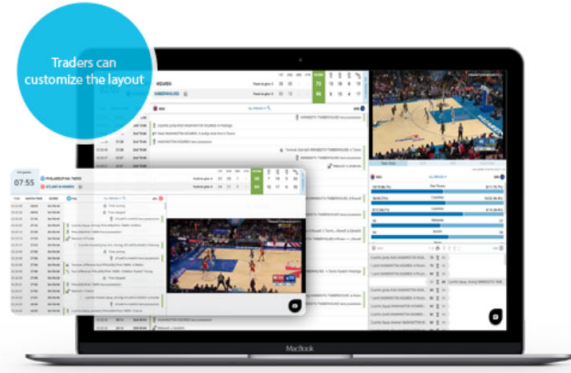
Key Features	Accused Product
<p>of copies to a first viewer client device of the first plurality of viewer client devices via a first Internet communication channel between the plurality of media sources and the first viewer client device of the first plurality of viewer client devices; and</p>	<p><i>first Internet communication channel between the plurality of media sources and the first viewer client device of the first plurality of viewer client devices.”</i></p> <p>For example, Sportradar Live Channel Trading provides videos, including live videos to traders, integrated with a trading environment. Multiple live events are streamed, to multiple clients. It provides the live sporting event stream to a user’s computer, laptop, smartphone, or tablet using live channels.</p> <p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they’re working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they’ll always outpace the competition. You’ll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <p><u>Betradar’s AV Video Player – the solution to simplify your integration process</u></p> <p><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar’s AV Video Player can be accessed on mobile and tablet devices.</u></p> <p>Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</p> 

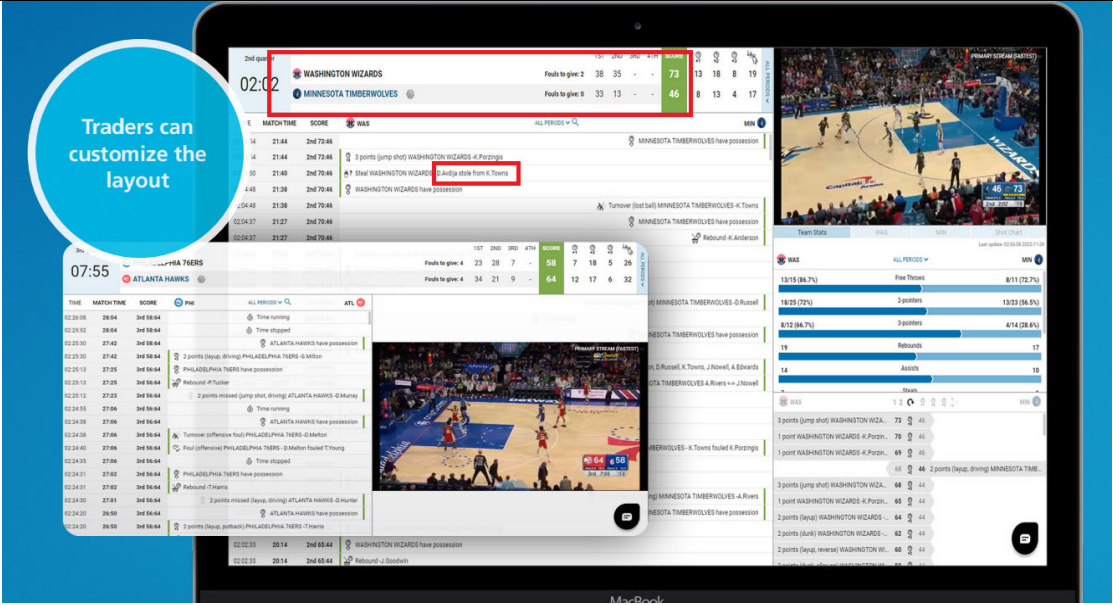
Key Features	Accused Product
	<div data-bbox="583 277 1167 337"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1430 277 1577 329"> Find out more </div> <div data-bbox="583 428 976 488"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="583 521 1010 609"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="583 613 1026 703"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> </div> <div data-bbox="583 737 737 763"> <p>What you'll get</p> </div> <div data-bbox="583 768 1010 946"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1142 459 1509 485"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1142 519 1253 545"> <p>Integrated</p> </div> <div data-bbox="1142 550 1530 730"> <p><u>LCT is combined with our Live Data Client,</u> so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1142 768 1266 792"> <p>Stand-alone</p> </div> <div data-bbox="1142 799 1535 854"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="562 982 1547 1058"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>
<p>[19A.3] provide a first copy of the second plurality of copies to a first viewer client device of the second plurality of viewer client devices via a second Internet communication channel between the</p>	<p>Sportradar Live Channel Trading includes a plurality of media sources to “provide a first copy of the second plurality of copies to a first viewer client device of the second plurality of viewer client devices via a second Internet communication channel between the plurality of media sources and the first viewer client device of the second plurality of viewer client devices.”</p> <p>For example, Sportradar Live channel trading provides videos, including live videos to traders, integrated with a trading environment. Multiple live events are streamed, to multiple clients. It provides the live sporting event stream to a user’s computer, laptop, smartphone, or tablet using live channels.</p>

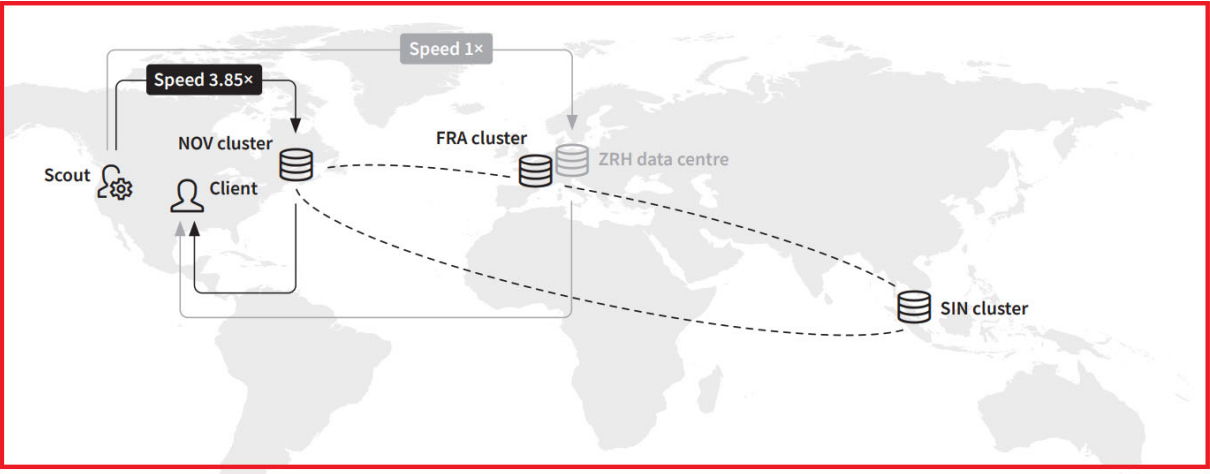
Key Features	Accused Product
<p>plurality of media sources and the first viewer client device of the second plurality of viewer client devices;</p>	<p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <p><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p>Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</p> 

Key Features	Accused Product
	<div data-bbox="583 240 1167 298"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1430 240 1577 289"> Find out more </div> <div data-bbox="583 391 974 448"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="583 485 1010 570"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="583 578 1026 664"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams</u> that are significantly faster than any TV broadcaster.</p> </div> <div data-bbox="583 701 737 724"> <p>What you'll get</p> </div> <div data-bbox="583 732 1010 911"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1146 423 1509 446"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1146 485 1251 508"> <p>Integrated</p> </div> <div data-bbox="1146 516 1528 695"> <p><u>LCT is combined with our Live Data Client</u>, so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1146 732 1266 755"> <p>Stand-alone</p> </div> <div data-bbox="1146 763 1533 816"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="564 948 1547 1021"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>
<p>[19B] a control server to periodically retrieve, via the Internet and from an event information provider, first event information germane to the first live sporting event and second event information germane to</p>	<p>Sportradar Live Channel Trading includes “a control server to periodically retrieve, via the Internet and from an event information provider, first event information germane to the first live sporting event and second event information germane to the second live sporting event.”</p> <p>Sportradar Live Channel Trading, provides videos, including live videos to traders, integrated with a trading environment. Sportradar Live Channel Trading also provides information such as Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos), score information (e.g., with essentially real-time score updates synchronized with the video-based commentary), player information, venue information, and game status information (e.g., on-base, at-bat,</p>

Key Features	Accused Product
<p>the second live sporting event; and</p>	<p>timeouts, fouls, pole position, yards-to-go, yards-to-goal, down, team statistics, player statistics, historical data, etc.). This information is periodically retrieved by the highly qualified data journalist and ultra-reliable software.</p>  <p>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p> <p>Underpinned by the largest network of data journalists in the world</p> <p><u>Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.</u></p>

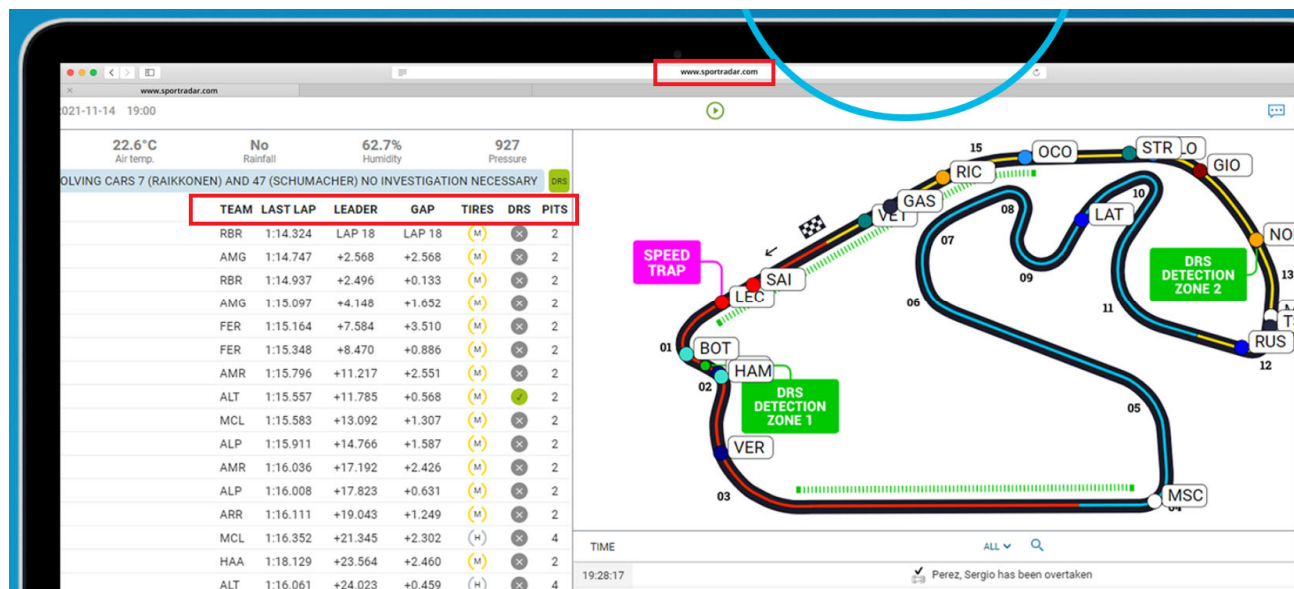
Key Features	Accused Product
	<p data-bbox="569 240 1619 310"><i>See, PANDA-SR_000113 at PANDA-SR_000115, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</i></p> <p data-bbox="583 370 1079 407"><u>LIVE CHANNEL TRADING</u></p> <p data-bbox="583 440 1192 464">Traders are only as good as the information they're working with</p> <p data-bbox="583 493 1220 574"><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p data-bbox="583 607 1220 748"><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p data-bbox="569 776 1818 846"><i>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</i></p> 

Key Features	Accused Product
	 <p>See, PANDA-SR_000194 at PANDA-SR_000194, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>
<p>[19C] at least one socket server communicatively coupled to the control server to:</p>	<p>Sportradar Live Channel Trading includes “<i>at least one socket server communicatively coupled to the control server.</i>”</p> <p>For example, Sportradar Live channel trading’s live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. “Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks.”</p>

Key Features	Accused Product
	<p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <p>Distributed live data setup</p>  <p>The diagram illustrates a distributed live data setup across a world map. It shows the following components and connections:</p> <ul style="list-style-type: none"> Scout: Represented by a gear icon, located in North America. Client: Represented by a person icon, located in North America. NOV cluster: Represented by a database icon, located in North America. FRA cluster: Represented by a database icon, located in Europe. ZRH data centre: Represented by a database icon, located in Europe. SIN cluster: Represented by a database icon, located in Southeast Asia. <p>Connections and Speeds:</p> <ul style="list-style-type: none"> A solid line connects the Scout to the NOV cluster with a label Speed 3.85x. A solid line connects the Client to the NOV cluster. A solid line connects the NOV cluster to the FRA cluster with a label Speed 1x. Dashed lines represent connections from the FRA cluster to the ZRH data centre and from the SIN cluster to the ZRH data centre. <p>Below the map, there are labels for American Scout Location and American Client Location. A note at the bottom left says If you're in the US. A note at the bottom right says x faster than ZRH.</p>

Key Features**Accused Product**

See, PANDA-SR_000113 at PANDA-SR_000116, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

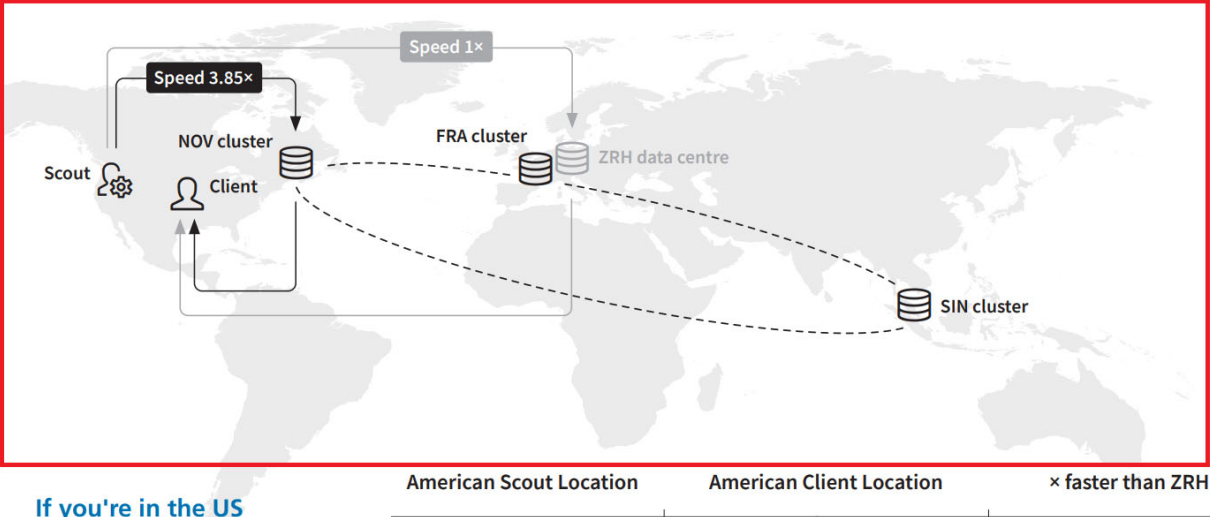


See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Underpinned by the largest network of data journalists in the world

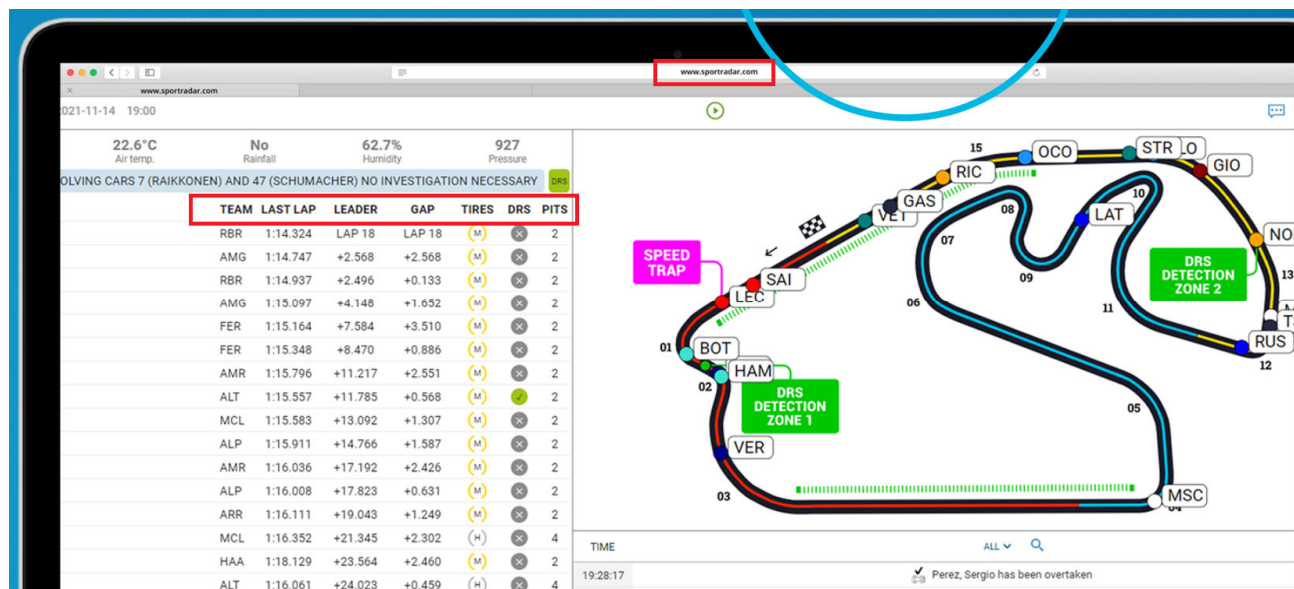
Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.

See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Key Features	Accused Product
<p>[19C.1] receive from the control server at least some of the first event information and at least some of the second event information wherein:</p>	<p>Upon information and belief, Sportradar Live Channel Trading includes at least one socket server communicatively coupled to the control server to “<i>receive from the control server at least some of the first event information and at least some of the second event information.</i>”</p> <p>For example, Sportradar Live channel trading’s live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks. The intelligence, including, e.g., Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos), score information, etc., is different for different live stream events and a socket server, upon information and belief, receives intelligence to be transmitted to respective customers.</p> <p>Distributed live data setup</p>  <p>If you're in the US</p> <p>American Scout Location American Client Location x faster than ZRH</p>

Key Features**Accused Product**

See, PANDA-SR_000113 at PANDA-SR_000116, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

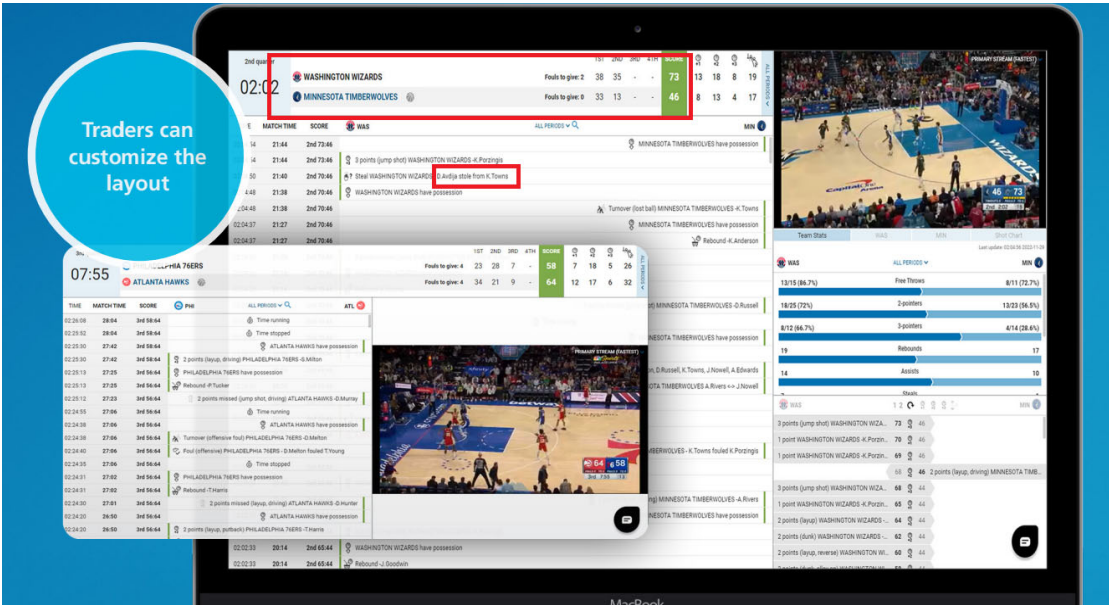


See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Underpinned by the largest network of data journalists in the world

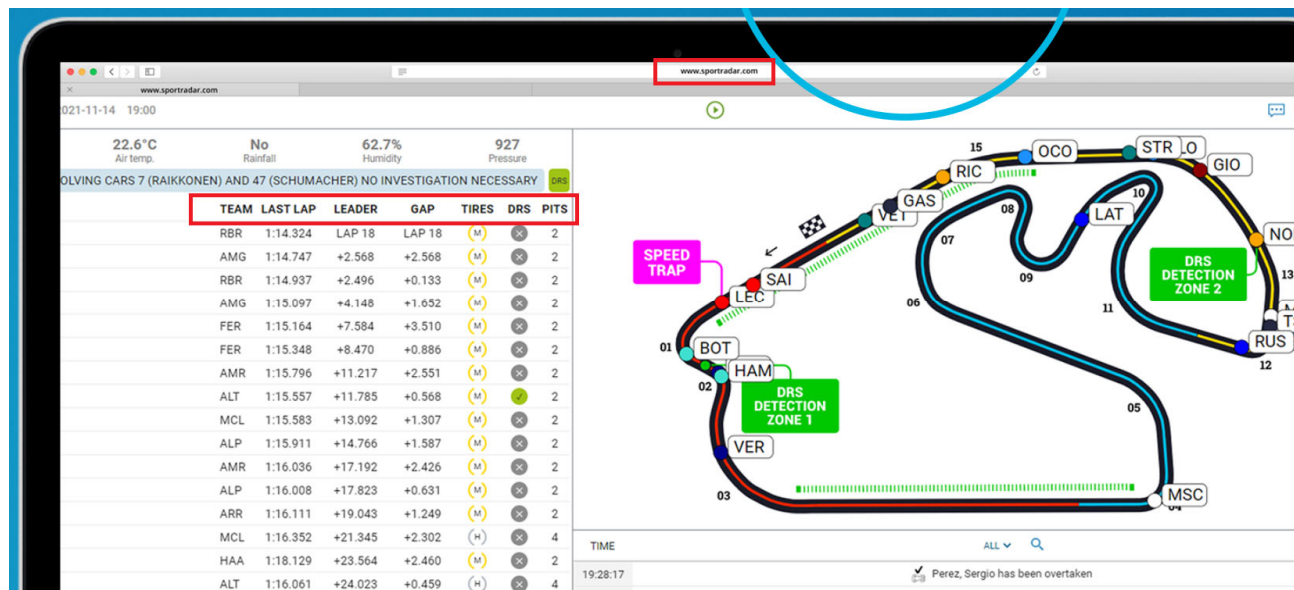
Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.

See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Key Features	Accused Product
	 <p>See, PANDA-SR_000194 at PANDA-SR_000194, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>
<p>[19C.2] the at least some of the first event information includes first score information for the first sporting event; and</p>	<p>Sportradar Live Channel Trading includes a system wherein “the at least some of the first event information includes first score information for the first sporting event.”</p> <p>For example, Sportradar Live channel trading’s live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks. The intelligence, including e.g., Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos), score information, etc., is different for different live stream events and a socket server, upon information and belief, receives the intelligence to be transmitted to respective customers.</p>

Key Features

Accused Product

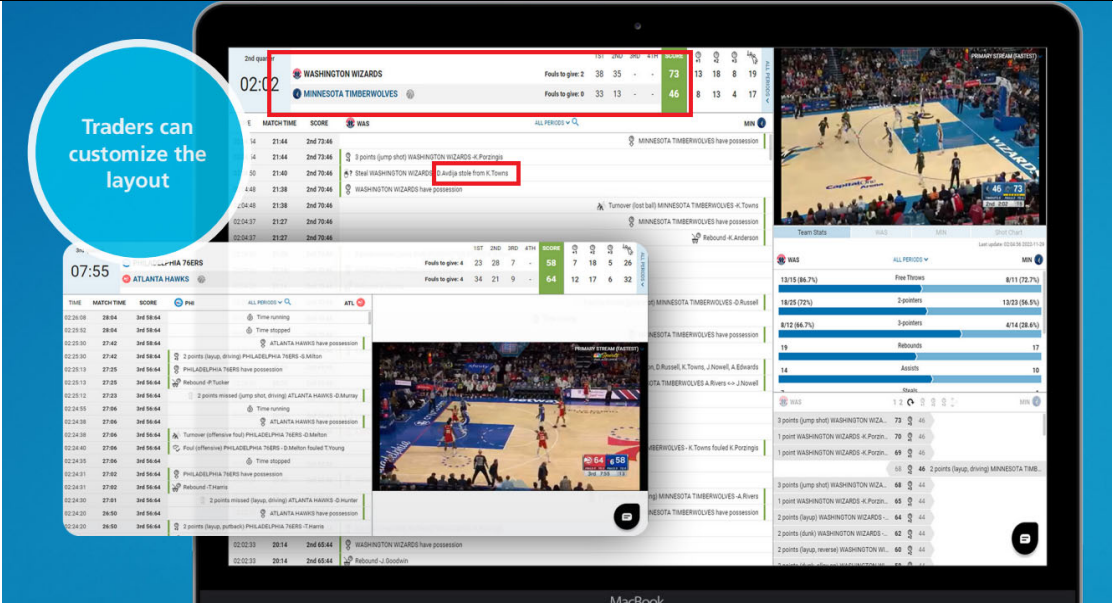


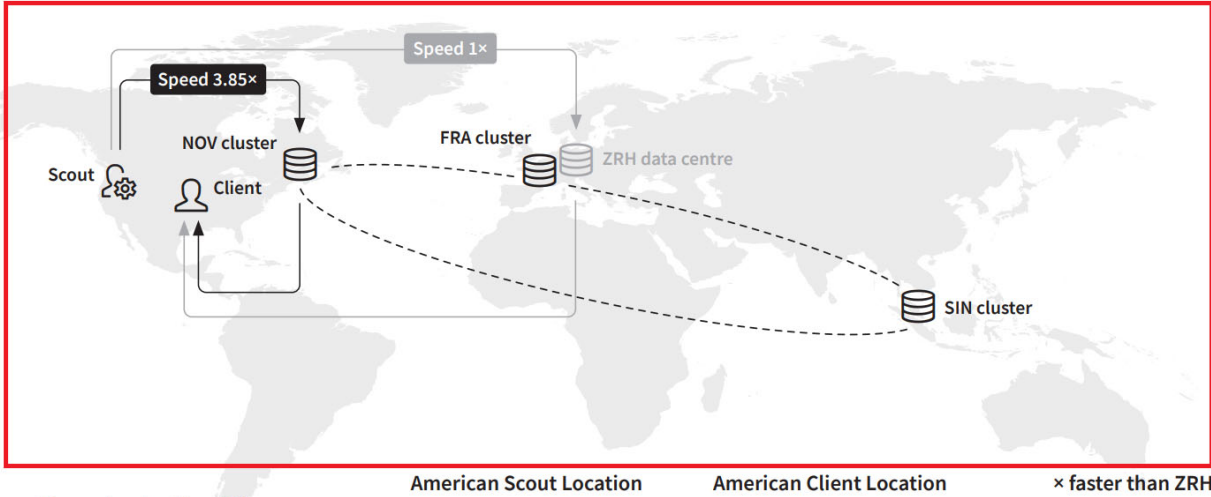
See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Underpinned by the largest network of data journalists in the world

Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.

See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

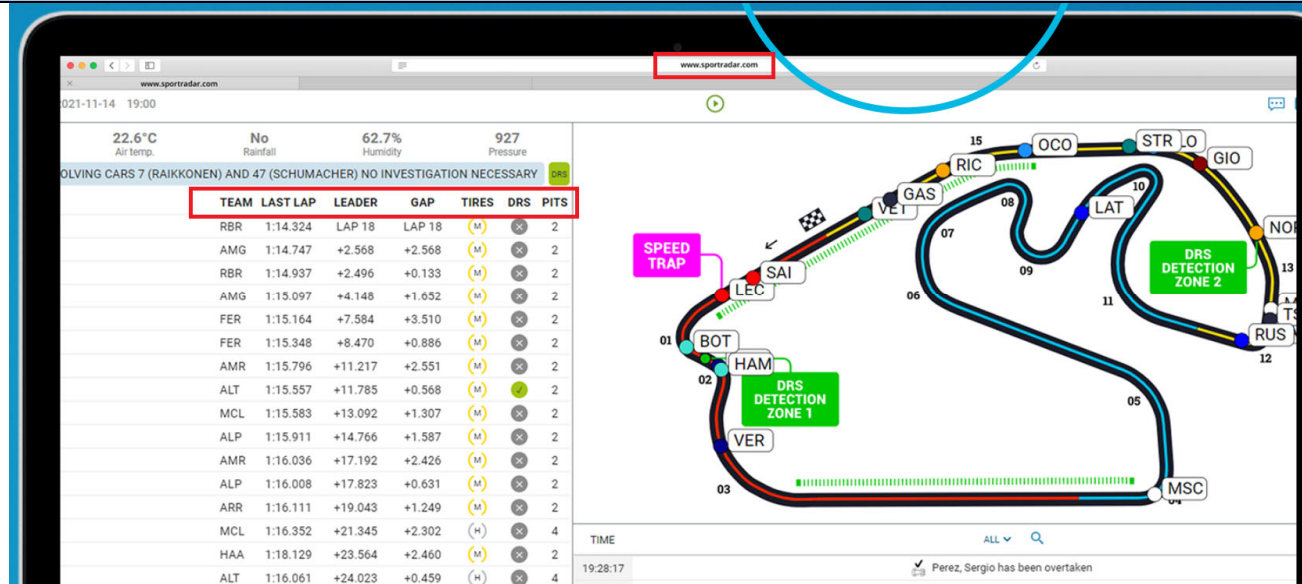
Key Features	Accused Product
	 <p>The screenshot displays a live-streaming interface for a basketball game. A red box highlights the score overlay at the top, showing the Washington Wizards leading the Minnesota Timberwolves. A blue circle with the text "Traders can customize the layout" points to the interface. The interface also includes a list of game events on the left and a live video feed on the right.</p> <p>See, PANDA-SR_000194 at PANDA-SR_000194, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>

Key Features	Accused Product
	<p data-bbox="638 256 945 280">Distributed live data setup</p>  <p data-bbox="638 824 848 849">If you're in the US</p> <p data-bbox="1003 800 1803 824">American Scout Location American Client Location × faster than ZRH</p> <p data-bbox="569 878 1619 951">See, PANDA-SR_000113 at PANDA-SR_000116, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p> <p data-bbox="569 997 1896 1105">Live Channel Trading is integrated into the Live Data Client as a widget separate from other widgets that provide data on a match (i.e., scores, play-by-play, or statistics). Further, the other widgets can be interactive.</p>

Key Features	Accused Product
	<div> <div> Boost your in-play trading <p>Track a wide range of live match data, however and whenever you want. Get all the stats you need, right at your fingertips.</p> <p><u>And configure your interface, alerts, sizes and sounds for each sport, or keep it the same across the board.</u></p> </div> <div> What to expect <ul style="list-style-type: none">  Use any desktop or mobile browser  <u>Configure widgets by sport, depending on what you need and what space is available on-screen</u>  Highlight the moments that matter with colour-coded status changes  Get alerts for easy match trading  Analyse more deeply thanks to integrated stats and match timeline </div> </div> <p>See, PANDA-SR_000113 at PANDA-SR_000114, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p>
<p>[19C.3] the at least some of the second event information includes second score information for the second sporting event; and</p>	<p>Sportradar Live Channel Trading includes a system wherein “<i>at least some of the second event information includes second score information for the second sporting event.</i>”</p> <p>As shown, Sportradar Live channel trading’s live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks. The intelligence, including Milestones, Leaderboards, Highs, Probabilities, team information (e.g., team names, abbreviations and/or logos), score information, etc., is different for different live stream events and a socket server, upon information and belief, receives the intelligence to be transmitted to respective customers.</p>

Key Features

Accused Product

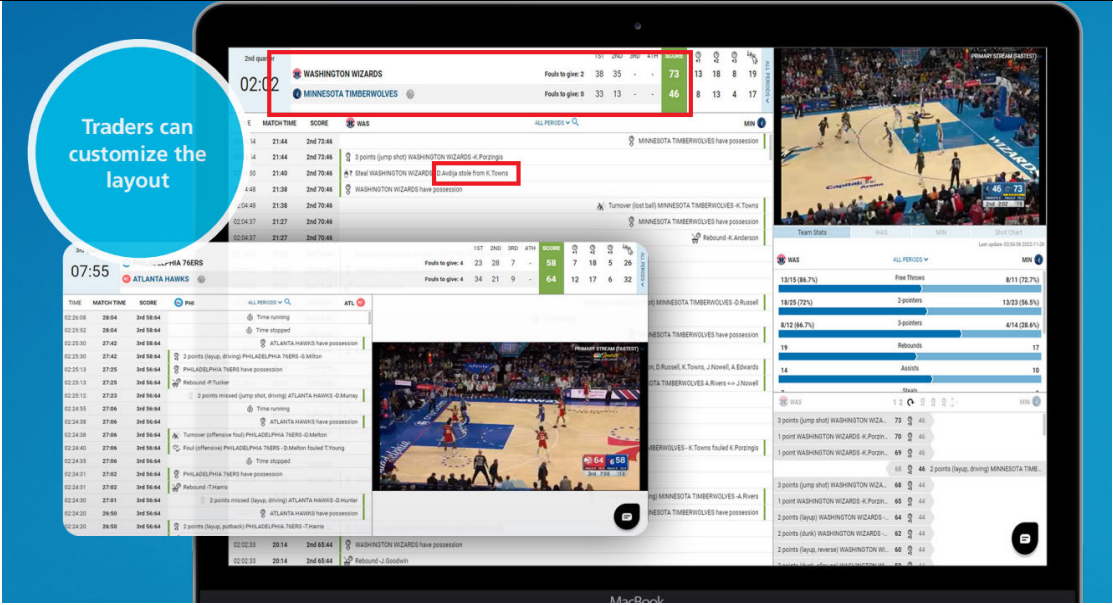


See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Underpinned by the largest network of data journalists in the world

Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.

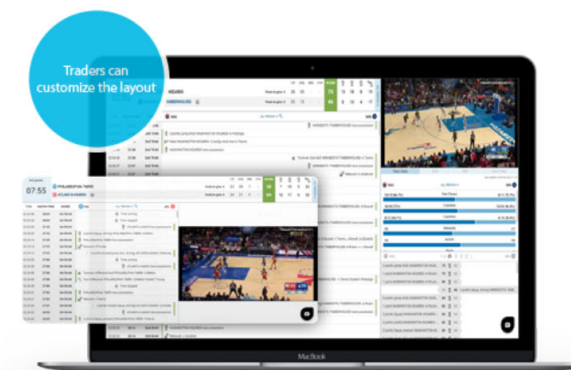
See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Key Features	Accused Product
	 <p>See, PANDA-SR_000194 at PANDA-SR_000194, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p>

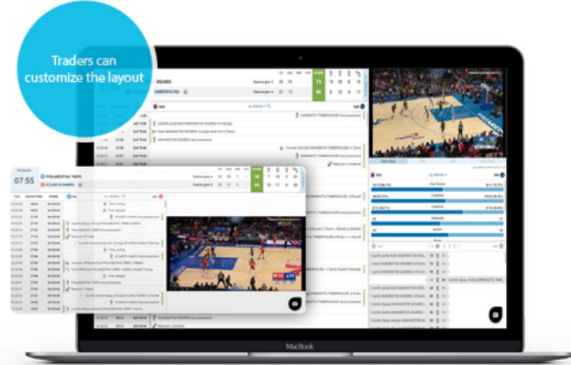
2. Dependent Claim 20

Key Features	Accused Products
[20P] The system of claim 19, wherein:	The LCT platform includes the system of claim 19. <i>See</i> Claim 19, <i>supra</i> .
[20A] in A), the plurality of media sources:	The LCT platform includes “ <i>the plurality of media sources.</i> ” <i>See</i> discussion of Claim Element [19A], <i>supra</i> .
[20A.1] provide a second copy of the first plurality of copies to a second	The LCT platform includes a plurality of media sources that “ <i>provide a second copy of the first plurality of copies to a second viewer client device of the first plurality of viewer client devices via a third video</i>

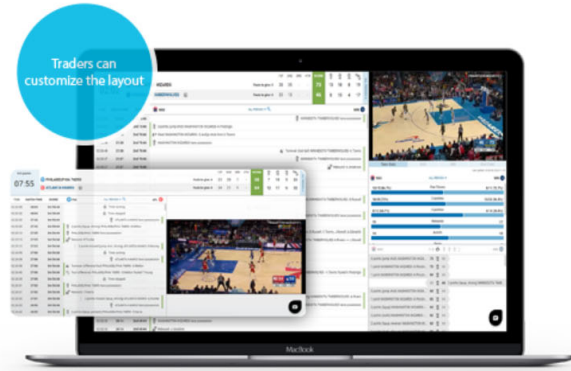
Key Features	Accused Products
viewer client device of the first plurality of viewer client devices via a third video Internet communication channel between the plurality of media sources and the second viewer client device of the first plurality of viewer client devices; and	<p data-bbox="569 233 1900 305"><i>Internet communication channel between the plurality of media sources and the second viewer client device of the first plurality of viewer client devices.”</i></p> <p data-bbox="569 354 1900 425">For example, the live streams are transmitted to multiple client devices, where each client device is provided with a copy of the live stream.</p> <p data-bbox="569 483 1079 521"><u>LIVE CHANNEL TRADING</u></p> <p data-bbox="569 553 1192 578">Traders are only as good as the information they're working with</p> <p data-bbox="569 607 1220 686"><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p data-bbox="569 721 1220 862"><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p data-bbox="569 889 1818 961">See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <div data-bbox="569 1003 1864 1344" style="background-color: #f0f0f0; padding: 10px;"> <p data-bbox="569 1013 1583 1040"><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p data-bbox="569 1084 1808 1230"><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p data-bbox="569 1279 1808 1344">Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> </div> <p data-bbox="569 1349 1818 1421">See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</p>

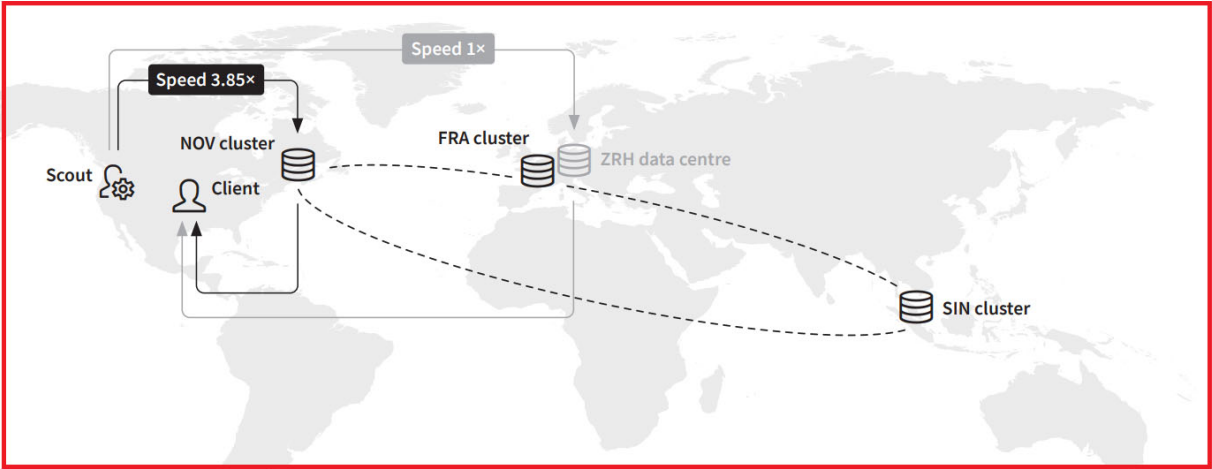


Key Features	Accused Products
	<div data-bbox="583 272 1087 326"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1339 272 1465 316" style="border: 1px solid #007bff; border-radius: 5px; padding: 2px 5px; text-align: center;"> Find out more </div> <div data-bbox="583 407 930 459"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="583 492 961 568"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="583 573 976 651"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> </div> <div data-bbox="583 683 718 706"> <p>What you'll get</p> </div> <div data-bbox="583 711 961 870"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1087 435 1407 457" style="background-color: #f0f0f0; padding: 10px;"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1087 492 1178 513"> <p>Integrated</p> </div> <div data-bbox="1087 518 1423 677"> <p><u>LCT is combined with our Live Data Client</u>, so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1087 711 1190 732"> <p>Stand-alone</p> </div> <div data-bbox="1087 737 1430 787"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="567 906 1547 979"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>
<p>[20A.2] provide a second copy of the second plurality of copies to a second viewer client device of the second plurality of viewer client devices via a fourth video Internet communication channel between the plurality of media sources and the second viewer</p>	<p>The LCT platform includes a plurality of media sources that “<i>provide a second copy of the second plurality of copies to a second viewer client device of the second plurality of viewer client devices via a fourth video Internet communication channel between the plurality of media sources and the second viewer client device of the second plurality of viewer client devices.</i>”</p> <p>See discussion of Claim Element [20A.1], <i>supra</i>.</p> <p>For example, live streams are transmitted to multiple client devices, wherein each viewer client device is provided with a copy of the live stream.</p>

Key Features	Accused Products
<p>client device of the second plurality of viewer client devices; and</p>	<p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> <p><u>Betradar's AV Video Player – the solution to simplify your integration process</u></p> <p><u>Our fully hosted Betradar AV Video Player simplifies and accelerates the integration process for bookmakers and provides a low cost deployment and set-up procedure for your business. The software can be used as an embedded player next to your sports betting offer as well as a pop-up player. Furthermore, Betradar's AV Video Player can be accessed on mobile and tablet devices.</u></p> <p>Extend the AV Video Player with existing betting and content solutions to create an immersive, fast-paced betting experience that surrounds your streamed offering.</p> <p>See, PANDA-SR_000104 at PANDA-SR_000106, https://www.betradar.com/live-streaming/live-channel-online/</p> 

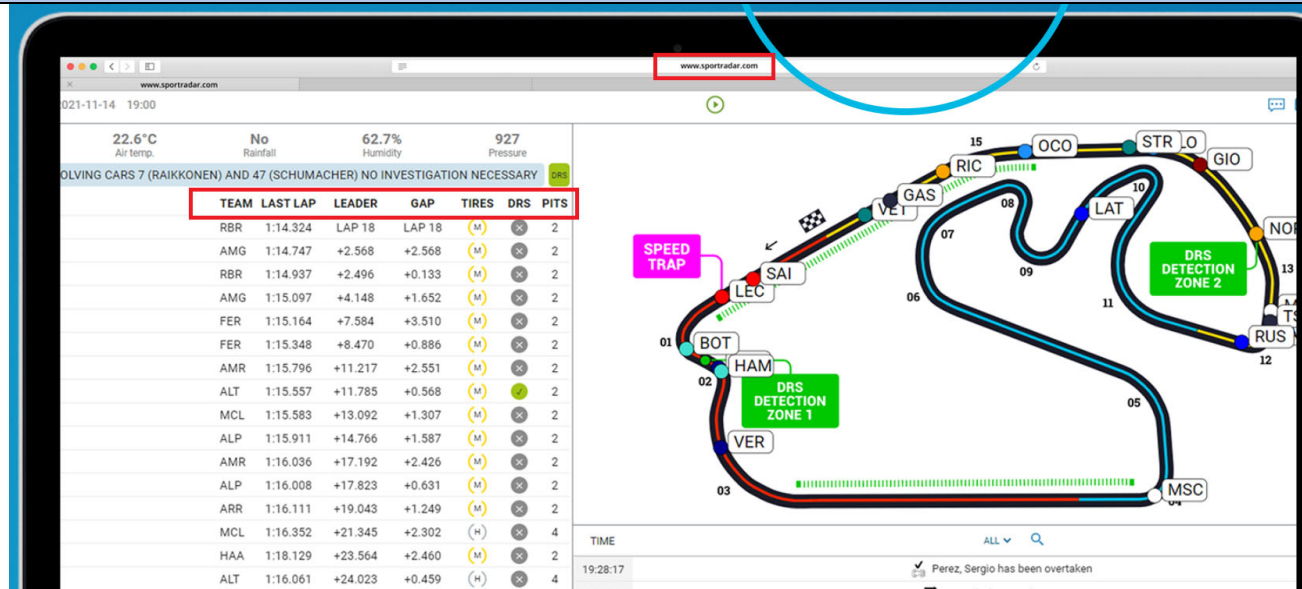
Key Features	Accused Products
	<div data-bbox="583 235 1167 293"> <h2><u>Live Channel Trading</u></h2> </div> <div data-bbox="1430 235 1577 282"> Find out more </div> <div data-bbox="583 386 974 444"> <p>Traders are only as good as the information they're working with</p> </div> <div data-bbox="583 480 1010 565"> <p>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition.</p> </div> <div data-bbox="583 573 1024 659"> <p>You'll get the top US leagues (NBA, MLB, NHL) and much more through <u>ultra-low latency streams that are significantly faster than any TV broadcaster.</u></p> </div> <div data-bbox="583 695 737 719"> <p>What you'll get</p> </div> <div data-bbox="583 727 1008 906"> <ul style="list-style-type: none"> → Unparalleled signal speed. → An extra layer of security compared to trading based on data only. → An additional source of information for your traders that's independent of any other data feed, which means it's highly reliable. </div> <div data-bbox="1146 418 1509 443"> <p>How to use it – you have two options:</p> </div> <div data-bbox="1146 480 1251 505"> <p>Integrated</p> </div> <div data-bbox="1146 513 1528 691"> <p><u>LCT is combined with our Live Data Client,</u> so you can seamlessly integrate it into your trading environment. The live stream for trading purposes will replace the pre-set Live Match Tracker visualisation in the Graphical View widget (see image above).</p> </div> <div data-bbox="1146 727 1266 751"> <p>Stand-alone</p> </div> <div data-bbox="1146 760 1533 813"> <p>You can also use the trading streams without our Live Data solutions.</p> </div> <div data-bbox="567 943 1545 1019"> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://betradar.com/wp-content/uploads/sites/4/2014/11/Betradar-Live-Streaming-Brochure.pdf</p> </div>
[20B] in C), the at least one socket server:	See discussion of Claim Element [19C], <i>supra</i> .
[20B.1] transmits at least the first score information of the first event information to the second viewer client device of the first plurality of viewer client devices via a third	<p>The at least one socket server of the LCT platform “transmits at least the first event information to the second viewer client device of the first plurality of viewer client devices via a third event information Internet communication channel between the at least one first event socket of the at least one socket server and the second viewer client device of the first plurality of viewer devices,” as claimed.</p> <p>See discussion of Claim Element [19C.2], <i>supra</i>.</p>

Key Features	Accused Products
<p>event information Internet communication channel between the at least one first event socket of the at least one socket server and the second viewer client device of the first plurality of viewer devices; and</p>	<p>For example, Sportradar Live channel trading's live data intelligence provides game statistics and play-by-play action as well as real-time analysis of data streams from sporting events. Sportradar distributes live video from a vast array of rights holders to betting operators around the world. Customers receive this intelligence as data feeds that integrate into their applications or betting systems or as live video streams distributed over internet protocol (IP) networks.</p> <p><u>LIVE CHANNEL TRADING</u></p> <p>Traders are only as good as the information they're working with</p> <p><u>So give yours the quickest streams, using the fastest available signal, so they'll always outpace the competition. You'll get the top US leagues (NBA, MLB, NHL) and much more through ultra-low latency streams.</u></p> <p><u>All matches in this offering are transmitted via our in-house developed Video Delivery Network (VDN), a renowned back-end live video streaming system that provides audiovisual game feeds up to eight seconds faster than any TV broadcaster. Use Live Channel Trading in combination with the Live Channel Online, or our data solutions, and benefit to the fullest.</u></p> <p>See, PANDA-SR_000029 at PANDA-SR_000034, https://www.betradar.com/live-streaming/live-channel-trading/</p> 

Key Features	Accused Products
	<p data-bbox="638 248 945 277">Distributed live data setup</p>  <p data-bbox="638 816 848 846">If you're in the US</p> <p data-bbox="569 873 1619 946">See, PANDA-SR_000113 at PANDA-SR_000116, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p>

Key Features

Accused Products



See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

Underpinned by the largest network of data journalists in the world

Every game produces thousands of data points. To collect them, you need two things: a highly qualified data journalist, and ultra-reliable software. We have both: which is why we're constantly setting, and pushing, the standard when it comes to selection, training and quality control.

See, PANDA-SR_000113 at PANDA-SR_000115, <https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf>

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	<p>Live Channel Trading is integrated into the Live Data Client as a widget separate from other widgets that provide data on a match (i.e., scores, play-by-play, or statistics). Further, the other widgets can be interactive.</p> <div> <div> <p>Boost your in-play trading</p> <p>Track a wide range of live match data, however and whenever you want. Get all the stats you need, right at your fingertips.</p> <p>And configure your interface, alerts, sizes and sounds for each sport, or keep it the same across the board.</p> </div> <div> <p>What to expect</p> <ul style="list-style-type: none">  Use any desktop or mobile browser  Configure widgets by sport, depending on what you need and what space is available on-screen  Highlight the moments that matter with colour-coded status changes  Get alerts for easy match trading  Analyse more deeply thanks to integrated stats and match timeline </div> </div> <p>See, PANDA-SR_000113 at PANDA-SR_000114, https://www.betradar.com/wp-content/uploads/sites/4/2022/11/Live-Data-Brochure-2022.pdf</p>
<p>[20B.2] transmits at least the second score information of the second event information to the second viewer client device of the second plurality of viewer client devices via a fourth event information Internet communication channel between the at least one second event socket of the at least one socket server and the second viewer</p>	<p>The at least one socket server of the LCT platform “transmits at least the second score information of the second event information to the second viewer client device of the second plurality of viewer client devices via a fourth event information Internet communication channel between the at least one second event socket of the at least one socket server and the second viewer client device of the second plurality of viewer devices,” as claimed.</p> <p>See discussion of Claim Elements [19.C.3] and [20B.1], <i>supra</i>.</p>

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client device of the second plurality of viewer devices.	