UNITED STATES PATENT AND TRADEMARK OFFIC
BEFORE THE PATENT TRIAL AND APPEAL BOARD
THE DATA COMPANY TECHNOLOGIES INC.,
Petitioner
v.
BRIGHT DATA LTD.,
Patent Owner
Case IPR2022-00135
Patent No. 10,257,319

DECLARATION OF DR. TIM A. WILLIAMS

Mail Stop PATENT BOARD
Patent Trial and Appeal Board
United States Patent and Trademark Office
P.O. Box 1450
Alexandria, VA 22313-1450



INTRODUCTION5 II. QUALIFICATIONS.....8 B. IV. BACKGROUND TO THE FIELD OF TECHNOLOGY20 V. INTRODUCTION TO THE CLAIMS OF THE '319 AND '510 PATENTS..22 VI. BACKGROUND OF THE COMMON SPECIFICATION......27 VII.REVIEW OF THE COMMON SPECIFICATION 28 33 REVIEW OF FIGURES IN THE SPECIFICATION......40 1. REVIEW OF FIGURE 1.....41 REVIEW OF FIGURE 3......43 COMPARISON OF FIGURES 1 AND 3......45 REVIEW OF PROSECUTION HISTORIES46 2.



	a.	PROSECUTION HISTORY OF THE GRANDPARENT PATENT		
	NC	0. 10,069,936	47	
	b.	PROSECUTION HISTORY OF THE '319 PATENT	49	
	c.	PROSECUTION HISTORY OF THE CHILD '510 PATENT	51	
В.	CL	AIM CONSTRUCTION FOR "SECOND SERVER"	51	
IX. B	RIGI	HT DATA PRACTICES THE CHALLENGED CLAIMS	56	
X. O	VER	VIEW OF PLAMONDON	62	
XI. G	ROU	ND 1 (ALLEGED ANTICIPATION BY PLAMONDON) FAILS	65	
A.	NC	DISCLOSURE OF CLAIM 1, STEP 1 UNDER ROLE-BASED		
CONSTRUCTIONS66				
В.	NC	DISCLOSURE OF CLAIM 1, STEP 4 UNDER ROLE-BASED		
CO	NST	RUCTIONS	67	
C.	NC	DISCLOSURE OF ARCHITECTURE OF CLAIM 1 UNDER		
PA	TEN	T OWNER'S PROPOSED CONSTRUCTIONS	69	
1	l. (CLIENT 102	71	
2	2. <i>A</i>	APPLIANCE 200	76	
D.	NC	DISCLOSURE OF DEPENDENT CLAIMS	78	
1	. (CLAIM 14	78	
_			01	



E.	PETITIONER'S EXPERT REPEATEDLY TAKES A FALLBACK
PO	SITION REGARDING PLAMONDON86
XII	GROUNDS 2-7 (ALLEGED OBVIOUSNESS OF DEPENDENT CLAIMS)
87	7
A.	GROUND 2 (ALLEGED OBVIOUSNESS OVER PLAMONDON) FAILS
	88
B.	GROUND 3 (ALLEGED OBVIOUSNESS OVER PLAMONDON AND
RF	C 2616) FAILS88
C.	GROUND 4 (ALLEGED OBVIOUSNESS OVER PLAMONDON AND
RF	C 1122) FAILS93
D.	GROUND 5 (ALLEGED OBVIOUSNESS OVER PLAMONDON AND
IEE	EE 802.11-2007) FAILS93
E.	GROUND 6 (ALLEGED OBVIOUSNESS OVER PLAMONDON AND
PR	ICE) FAILS94
F.	GROUND 7 (ALLEGED OBVIOUSNESS OVER PLAMONDON AND
КО	ZAT) FAILS99
XIII	SECONDARY CONSIDERATIONS OF NON-OBVIOUSNESS
10	01



I. <u>INTRODUCTION</u>

- 1. I, Dr. Tim A. Williams, declare as follows:
- 2. My full name is Tim Arthur Williams.
- 3. I have been retained as an independent expert in this matter by counsel for Patent Owner Bright Data Ltd. ("Bright Data"). I have been asked to provide my opinions on certain references in the above-identified *inter partes* review ("IPR") proceeding, IPR2022-00135, involving U.S. Patent No. 10,257,319 ("the '319 Patent").
- 4. In IPR2022-00138 (the related proceeding) of U.S. Patent No. 10,484,510 ("the '510 Patent"): I reviewed the Petition (Paper 2) and the exhibits submitted with the Petition (EXS. 1001-1079); I reviewed the Patent Owner Preliminary Response ("POPR," Paper 6) and the exhibits submitted with the POPR (EXS. 2001-2009); I reviewed Petitioner's Reply to the POPR (Paper 8) and Patent Owner's Sur-reply to the POPR (Paper 9); and I reviewed the Institution Decision (Paper 12) dated May 11, 2022.
- 5. In IPR2022-00135 (this proceeding): I reviewed the Petition (Paper 2) and the exhibits submitted with the Petition (EXS. 1001-1078); I reviewed the Patent Owner Preliminary Response ("POPR", Paper 7) and the exhibits submitted with the POPR (EXS. 2001-2009); I reviewed Petitioner's Reply to the POPR



DOCKET

Explore Litigation Insights



Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time** alerts and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.

