



Running product liability, aviation and mass tort claims in the UK & US

Wednesday 4th September 2024



NATHAN TAVARES KC **OUTER TEMPLE** CHAMBERS



GERARD MCDERMOTT KC OUTER TEMPLE CHAMBERS



ALIYAH AKRAM OUTER TEMPLE CHAMBERS



OLINGA TAHZIB OUTER TEMPLE CHAMBERS



KEVIN P. DURKIN CLIFFORD LAW



BOWMAN AND

BROOKE





SARAH MOORE LEIGH DAY

Machine Generated Data in Automobile Crash Reconstruction

September 4, 2024 London

Joel Smith Partner, Columbia, SC

Bowman and Brooke





every second for 30 days

and position of wing flaps and rudder











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-	TESLA					
					FF FF FF FF FF FF FF FF FF	FF
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					FF FF FF FF FF FF	FF
		1.0		FF		
		TESI	LA	FF		
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		Longit	udinal Delta-V (Event 1)			FF
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			Time (ms)	Delta-V (km/h)	Time (ms)	Delta-V (km/h)
			0	0	140	-88
			10	-2	150	-88
		~	20	-4	160	-88
		Delta-V (km/h)	30	-8	170	-88
		K K	40	-29	180	-89
		elta-	50	-39	190	-89
	Second	ă	60	-57	200	-90
	Second		70	-65	210	-90
	Second		80	-72	220	-90
	Second Second		90	-83	230	-90
	Second		100	-91	240	-90
	HV Batte		110 120	-89 -89	250	-91
			130	-89		
		FF FF FF FF	130	-00		
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			FF		1820 FF	FF
			FF		1876 FF	FF
			FF		1932 FF	GC FF
	0252	FF FF FF FF	FF	F FF FF FF FF FF FF FF		FF
	0280	PP PP PP PP	FF	4 44 44 44 44 44 47 47 47 47	2016 FF	FF
	5YJXCAE28HF06	60305	Page 23 of 28	2018/03/28 20:04:47 (UTC)	5YJXCAE28HF060305 P	age 24 of 28 2018/03/28 20:04:47 (UTC)









Admissibility Preservation Presentation



Note: Autosteer is a BETA feature.

If you have purchased the optional Enhanced Autopilot or Full Self-Driving Capability packages, you can use Autosteer to manage steering and speed under certain circumstances. Autosteer builds upon Traffic-Aware Cruise Control (see Traffic-Aware Cruise Control on page 87), intelligently keeping Model X in its driving lane when cruising at a set speed. Using the vehicle's camera(s), the radar sensor, and the ultrasonic sensors, Autosteer detects lane markings and the presence of vehicles and objects, steering Model X based on the lane markings and the vehicle directly in front of you.

Warning: Autosteer is a hands-on feature. You must keep your hands on the steering wheel at all times.

Warning: Autosteer is intended for use only on highways and limited-access roads with a fully attentive driver. When using Autosteer, hold the steering wheel and be mindful of road conditions and surrounding traffic. Do not use Autosteer on city streets, in construction zones, or in areas where bicyclists or pedestrians may be present. Never depend on Autosteer to determine an appropriate driving path. Always be prepared to take immediate action. Failure to follow these instructions could cause damage, serious injury or death.

Operating Autosteer

Before you can operate Autosteer, you must enable it by touching **Controls > Settings > Driver Assistance > Autosteer > ON**.



To indicate that Autosteer is available (but not actively steering Model X), the instrument panel displays a gray Autosteer iconon the right side of the driving

To initiate Autosteer, pull the cruise control lever toward you twice in quick succession.

speed.



Autosteer briefly displays a message on the instrument panel reminding you to pay attention to the road and be ready to take over at any time. To indicate that Autosteer is now actively steering Model X, the instrument panel displays the Autosteer icon in blue. When Autosteer is able to detect lane markings, it also displays the driving lane in blue.



Note: To initiate Autosteer when there is no vehicle in front of you, you must be driving at least 18 mph (30 km/h) on a roadway with visible lane markings. If a vehicle is detected ahead of you, you can initiate Autosteer at any speed, even when stationary (if you are at least 5 feet (150 cm) away from the vehicle).

The instrument panel displays a message indicating that Autosteer is temporarily unavailable if you attempted to engage Autosteer when driving at a speed that is not within the speed required for Autosteer to operate. Autosteer may also be unavailable if it is not receiving adequate data from the camera(s) or sensors. Warning: Autosteer is a hands-on feature. You must keep your hands on the steering wheel at all times.

Warning: Autosteer is intended for use only on highways and limited-access roads with a fully attentive driver. When using Autosteer, hold the steering wheel and be mindful of road conditions and surrounding traffic. Do not use Autosteer on city streets, in construction zones, or in areas where bicyclists or pedestrians may be present. Never depend on Autosteer to determine an appropriate driving path. Always be prepared to take immediate action. Failure to follow these instructions could cause damage, serious injury or death.

93

HUANG 00002014

95

HUANG 00002016

When you see this message, TAKE OVER STEERING IMMEDIATELY.

Canceling Autosteer

Autosteer cancels when:

- You start steering manually.
- You press the brake pedal.
- You push the cruise control lever away from you.
- The maximum speed that Autosteer supports-90 mph (150 km/h)-is exceeded.
- You shift into a different gear.
- An Automatic Emergency Braking event occurs (see Collision Avoidance Assist on page 105).

When Autosteer cancels, it sounds chimes and the Autosteer icon either turns gray to indicate that Autosteer is no longer active, or disappears to indicate that it is not currently available.

Note: If Autosteer cancels because you started steering manually, Traffic-Aware Cruise Control remains active. Disengage Traffic-Aware Cruise Control as you normally would, by briefly pushing the cruise control lever away from you or pressing the brake pedal.

To disable Autosteer so it is no longer available, touch Controls > Settings > Driver Assistance > Autosteer > OFF.

Limitations

Autosteer is particularly unlikely to operate as intended when:

- Autosteer is unable to accurately determine lane markings. For example, lane markings are excessively worn, have visible previous markings, have been adjusted due to road construction, are changing quickly (lanes branching off, crossing over, or merging), objects or landscape features are casting strong shadows on the lane markings, or the road surface contains pavement seams or other high-contrast lines.
- Visibility is poor (heavy rain, snow, fog, etc.).
- A camera(s) or sensor(s) is obstructed, covered, or damaged.
- Driving on hills.
- Approaching a toll booth.
- Driving on a road that has sharp curves or is excessively rough.

- Bright light (such as direct sunlight) is interfering with the view of the camera(s).
- The sensors are affected by other electrical equipment or devices that generate ultrasonic waves.
- Warning: Many unforeseen circumstances can impair the operation of Autosteer. Always keep this in mind and remember that as a result, Autosteer may not steer Model X appropriately. Always drive attentively and be prepared to take immediate action.

Limitations

Autosteer is particularly unlikely to operate as intended when:

- Autosteer is unable to accurately determine lane markings. For example, lane markings are excessively worn, have visible previous markings, have been adjusted due to road construction, are changing quickly (lanes branching off, crossing over, or merging), objects or landscape features are casting strong shadows on the lane markings, or the road surface contains pavement seams or other high-contrast lines.
- Visibility is poor (heavy rain, snow, fog, etc.).
- A camera(s) or sensor(s) is obstructed, covered, or damaged.
- Driving on hills.
- Approaching a toll booth.
- Driving on a road that has sharp curves or is excessively rough.

Driver Assistance







Faded Lane Markings Branching Off



Trailing Track Video





Police Photograph

POR

.....

HOUNTAIN VIEW

Walter Huang knew his vehicle's response at this <u>exact</u> location



沒捏我覺得差不多 (Walter Huang) Nope, I feel almost the same 早上又差點帶我去撞分隔島(Walter Huang) Almost led me to hit the median again this morning 我有感覺噎 (Hans Ting) I can feel it 每次85岔開那邊 (Walter Huang) Each time at the 85 separation 喔那個很難 (Hans Ting) Oh, that is very difficult 他就會開去兩線中間 (Walter Huang) It would drive me towards the middle of the two lines



-03/23 Lateral Accel

-03/23 Lateral Accel

February 16, 2018



February 27, 2018



March 1, 2018



March 19, 2018



Combined



Date	Left Steer (°)	Time, Left Steer to Right Steer (s)	Distance (ft)
2/16/2018	-4.8	1.6	132.6
2/27/2018	-6.0	1.1	103.2
3/1/2018	-6.4	1.0	88.3
3/19/2018	-5.1	1.0	112.3
03/23/2018 (Incident)	-5.6	N/A	N/A



```
{"bug_type":"298","timestamp" "2018-03-23 09:06:50.13
-0700", "os version": "iPhone C
(15D100)", "incident_id": "6BBC69D3-9DBE-42B1-9AE9-953F09ECAAAF"}
  "crashReporterKey" : "d8e957be8e45c10f5a9b6ff8644fcf6165d17bdb",
  "kernel" : "Darwin Kernel Version 17.4.0: Fri Dec 8 19:35:51 PST
2017; root:xnu-4570.40.9~1\/RELEASE ARM64 T8015",
  "product" : "iPhone10,2",
  "incident" : "6BBC69D3-9DBE-42B1-9AE9-953F09ECAAAF",
  "date" : "2018-03-23 09:06:50.13 -0700".
  "build" : "iPhone OS 11.2.6 (15D100)",
                                                            "timeDelta" : 6.
  "memoryStatus" : {
  "compressorSize" : 41413,
  "compressions" : 30916276,
  "decompressions" : 23128651,
  "zoneMapCap" : 402653184,
  "largestZone" : "APFS_4K_OBJS",
  "largestZoneSize" : 41238528,
  "pageSize" : 16384,
  "uncompressed" : 101929,
  "zoneMapSize" : 165412864,
  "memoryPages" : {
   "active" : 71077,
   "throttled" : 0,
                                                           "fileBacked" : 24208.
   "wired" : 29036,
   "anonymous" : 81915,
   "purgeable" : 662,
   "inactive" : 34642,
   "free" : 5367,
   "speculative": 404
  "largestProcess" : "sgz",
  "genCounter" : 0.
  "processes" : [
   "uuid" : "6a49b8c7-5e7f-38f6-b54d-3858ef36bcf9",
   "states" : [
      "suspended"
   "lifetimeMax" : 758.
   "age" : 129776198467.
   "purgeable" : 0,
   "fds" : 25,
   "coalition" : 80,
   "rpages" : 282,
   "pid" : 10012,
   "idleDelta" : 129272361,
```

```
'
"largestProcess" : "sgz",
"genCounter" : 0,
"processes" : [
{
```





Twelve Hour Cell Phone Data Usage



AT&T Estimated Data Usage by Activity

- 1 e-mail (no attachments)
 1 e-mail (with standard attachments)
- 1 minute of "surfing" the web
- 1 song download
- 1 photo upload to social media
- 1 min. of streaming standard-definition video
- 1 min. of streaming high-definition video
- 1 min. of streaming 4K video
- 1 min. of online games

20 KB 300 KB 250 KB (15 MB/hr.) 4 MB5 MB11.7 MB (700 MB/hr.) 41.0 MB (2500 MB/hr.) 97.5 MB (5850 MB/hr.) 200 KB (12 MB/hr.)




What Changed?

Walter Huang's 2018 Weekly Autopilot Use

Week		No. of Times Autopilot Activated	Total Time in Autopilot (hh:mm:ss)	Number of Visual Hands Off Alert	Number of Chimes
1/1/2018	1/7/2018	11	2:36:52	0	0
1/8/2018	1/14/2018	20	4:15:46	1	0
1/15/2018	1/21/2018	21	3:14:57	4	1
1/22/2018	1/28/2018	21	4:21:19	4	1
1/29/2018	2/4/2018	37	4:59:25	4	2
2/5/2018	2/11/2018	33	5:15:54	5	0
2/12/2018	2/18/2018	34	4:05:45	2	1
2/19/2018	2/25/2018	25	2:49:37	5	1
2/26/2018	3/4/2018	26	4:19:01	4	0
3/5/2018	3/11/2018	6	1:03:51	2	0
3/12/2018	3/18/2018	18	2:51:21	2	0
3/19/2018	3/23/2018	25	3:32:16	15	5

Walter Huang's 2018 Weekly Autopilot Use





	Version 1.4.0 update completion announcement Dear lord, Ann:
新三國志手機版-光榮特庫摩正版授權 2018年3月22日 · <	<u>The content of version 1.4.0 has been updated at 13:10 on March 22, and you can now log in to the game</u> normally.
 ※ № 1.4.0版本更新完成公告 № № 親愛的主公,安安・ 1.4.0版本内容已於3月22日13:10更新完畢,目前已可正常登入遊戲了喔。 	You need to reinstall the game when you log in. If you cannot update it, please delete the game and download it again from the store.
登入時需重新安裝遊戲,如遇到無法更新,請將遊戲刪除後,在商店重新下載。 造成您的不便十分抱歉,為所有在耐心等待的玩家們奉上精美禮包一份,以及贈送8小時免戰保 護。	We are very sorry for the inconvenience caused. For all the players who are waiting patiently, we present a beautiful gift package and 8-hour free protection.
【維修禮包】元寶*268, 一籠包子*1, 大捆行軍令*1, 高級遷都令*1, 高級資源箱*5, 玄鐵兵符*5 【維修延長禮句】元寶*100 —籍句子*1、大烟行軍令*1、京級遷報令*1	[Maintenance gift package] Yuanbao*268, a cage of buns*1, a large bundle of marching orders*1
【禮 感謝 果您 【聯 Bear lord, Ann: 遊戲 《新 ◎ ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ● ●	incement %% ed at 13:10 on March 22, and you can now log in to the game n

[Contact information]Service hours: 9:30a.m. to 7:00p.m. Customer Service Mailbox: cs@bbgameonline.com In-game: Click the customer service icon on the main interface of the game Sincerely, the operation team of "New Romance of the Three Kingdoms Mobile Edition" March 22, 2018

DRAFT

Walter Huang's 2018 Weekly Autopilot Use







UPDATE ON BOEING 737 MAX LITIGATION

BY: Kevin P. Durkin





Lion Air Flight 610

October 29, 2018 Jakarta, Indonesia 1:18-cv-07686



LION AIR FLIGHT 610

- October 29, 2018
- Departed from Jakarta, Indonesia to arrive in Pangkal Pinang, Indonesia
- 189 deaths (no survivors),188 Indonesian & 1 Italian
- Human remains and debris spanned 100 nautical miles



LION AIR FLIGHT 610

- The case is pending before the Hon. Thomas M. Durkin in the Northern District of Illinois, *In re Lion Air Flight JT 610*, 18-CV-07686.
- The parties have settled all but one case. That case went to the 7th
 Circuit on the right to a jury trial on DOHSA. RESULT No Jury Trial.
- Girardi issue Just last week, convicted in an LA Court.



DISCLAIMER







The House Committee on Transportation & Infrastructure Charman Peter A. Defaalo

Slide <u>based on</u> FAA's Post-Lion Air "Quantitative Risk Assessment," Dec. 3, 2018

After the Lion Air Crash FAA Predicted 15 More <u>Fatal</u> Crashes even <u>after</u> they issued an Emergency Airworthiness Directive -

15.373

Over the Lifetime of the Entire 737 MAX Fleet of 4,800 Aircraft Assuming No Software Fix to MCAS







Ethiopian Airlines Flight 302

March 10, 2019 Addis Ababa, Ethiopia 1:19-cv-02170



Ethiopian Airlines Flight 302

- March 10, 2019
- Departed from Addis Ababa, Ethiopia to arrive in Nairobi, Kenya
- 157 deaths (no survivors), 9 U.S. citizens
- 35 different countries represented [Choice of Law Issues]



Ethiopian Airlines Flight 302

- Pending in the United States District Court for the Northern District of Illinois
- Assigned to the Honorable Jorge L. Alonso and Magistrate M. David Weisman
- 144 Decedents filed cases 28 Decedents' cases remain
- Clifford Law Offices represents 71 of the victims



WHY ARE CASES IN CHICAGO?

Boeing Corporate Headquarters





WHY ARE CASES IN FEDERAL COURT, NOT STATE COURT? Multiparty, Multiforum Trial Jurisdiction Act of 2002

- 28 USC §1369
- Grants the District Courts original jurisdiction for a single accident involving 75 or more deaths with minimal diversity between adverse parties, if:
 - Defendant resides in a State and a substantial part of the accident took place in another State or other location, regardless of whether that defendant is also a resident of the State where a substantial part of the accident took place
 - 2. Any two defendants reside in different States, regardless of whether such defendants are also residents of the same State or States



3. Substantial parts of the accident took place in different States

Multiparty, Multiforum Trial Jurisdiction Act of 2002

- The action should be removed to district court, if:
 - The action could have been brought in a United States district court under section 1369 of this title
 - The defendant is a party to an action which is or could have been brought, in whole or in part, under section 1369 in a United States district court and arises from the same accident as the action in State court, even if the action to be removed could not have been brought in a district court as an original matter
 - 28 U.S.C.A. § 1441(e)
- Allows cases that do not meet minimal diversity requirement to be removed to federal court



Boeing Compensation

- Boeing Financial Assistance Fund (BFAF) \$144,500.00 per decedent
- Boeing Community Investment Fund (BCIF) \$144,500.00 per decedent
- No set-off



Ethiopian Airline Compensation

- \$50,000 advance per decedent on Montreal Convention
- No cases filed against Ethiopian Airlines



Ethiopian Airlines Flight 302 Crash Near Bishoftu, Ethiopia March 10, 2019



- Extensive written discovery
- Multiple depositions of Boeing employees



Ethiopian Flight 302 Stipulation

- Entered November 15, 2021
- Boeing admits liability for compensatory damages
- Parties agree damages will be determined under Illinois law
- Boeing agrees it will not blame third parties
- Plaintiffs waive punitive damages

IN THE UNITED STATES DISTRICT COURT FOR THE NORTHERN DISTRICT OF ILLINOIS EASTERN DIVISION

IN RE: ETHIOPIAN AIRLINES FLIGHT ET	Lead Case: 1:19-cv-02170 (Consolidated)		
302 CRASH	Honorable Jorge L. Alonso		
Plaintiffs,	Magistrate Judge M. David Weisman		
v.	This Stipulation Relates to All Actions		
THE BOEING COMPANY, a Delaware corporation; ROSEMOUNT AEROSPACE, INC., a Delaware corporation; ROCKWELL COLLINS, INC., a Delaware corporation.	CONFIDENTIAL		

AGREED STIPULATION OF THE PARTIES

The parties in this consolidated matter have had ongoing discussions regarding the Defendants' responsibility for the subject accident and the jurisdiction whose law shall determine Plaintiffs' damages. As a result of those discussions, the parties have agreed to a stipulation for the purposes of this case only in which Defendant the Boeing Company ("Boeing") admits and stipulates to its liability for the compensatory damages proximately caused by the ET 302 accident, and the parties agree that the measure and elements of Plaintiffs' damages are to be determined under Illinois law without regard to the nationality, citizenship, domicile or residency of Plaintiffs or their decedents.



Ethiopian Flight 302 Admission of liability

decide in this case." The parties have agreed that they will jointly propose to the Court the use of Illinois Pattern Jury Instruction 23.01B as tendered in each damages trial: "Boeing admits that it produced an airplane that had an unsafe condition that was a proximate cause of Plaintiff's compensatory damages caused by the Ethiopian Airlines Flight 302 accident. Boeing does not blame any other person for the Ethiopian Airlines Flight 302 accident, nor will Boeing argue that anyone else is responsible for Plaintiff's damages, in this trial. You need only decide what amount of money will reasonably and fairly compensate Plaintiff for those damages." Except as specifically provided herein, the jury shall not hear evidence



Ethiopian Flight 302 Jury Trial Settings

March 2023	Eight (8) Cases Were Selected All cases settled
June 2023	Six (6) Cases Were Selected All cases settled
November 2023	Six (6) Cases Were Selected All cases settled
November 12, 2024	Five (5) Cases Selected
April 7, 2025	Awaiting Trial Case Selections



Ethiopian Flight 302 Compensatory Damages

The parties have stipulated and agreed that each and every Plaintiff is entitled to recover, whether by voluntary settlement or trial, the full measure of damages permitted under Illinois law and pursuant to the elements of recoverable damages under Illinois law—including but not limited to loss of economic support; loss of services; loss of society; grief, sorrow and mental suffering of the decedent's next of kin; loss of consortium; loss of instruction, moral training, and superintendence; burial expenses; pain and suffering and emotional distress of the decedent; and all other damages recognized under Illinois law—regardless of the citizenship, residency, domicile or nationality of any Plaintiff or decedent.

- Economic support
- Loss of services
- Loss of society
- Grief, sorrow, and mental suffering of next of kin
- Loss of consortium
- Loss of instruction, moral training, and superintendence
- Burial expenses
- Pain and suffering and emotional distress of the decedent



Ethiopian Flight 302 Survival Action

It is agreed and stipulated that the parties will be permitted to introduce all relevant and admissible evidence at trial regarding the decedents and their beneficiaries' alleged compensatory damages. This may include evidence of economic and non-economic damages for the beneficiaries, as well as the pre-impact, pre-death pain and suffering and emotional distress of the decedent as permitted under Illinois law. The parties agree that damages discovery will continue after this stipulation is executed and entered. The parties will have a right to discovery, including discovery propounded on third parties, regarding issues relevant to wrongful death damages and survival damages. The parties are in no way giving up the right to discovery related to compensatory damages. It is understood that the Plaintiffs intend to present an animation of the accident flight, with both interior and exterior views, to the jury. This animation may include, but need not be limited to, Flight Data Recorder data and any animation produced by Boeing. Boeing agrees it will not object under Federal Rule of Evidence 901 to the authenticity of the Flight Data Recorder data or any Cockpit Voice Recorder audio or any animation or simulation it produces.



Maneuvering Characteristics Augmentation System (MCAS) as Intended by Boeing

Ethiopian Airlines Flight 302 Crash Near Bishoftu, Ethiopia (March 10, 2019)

- Angle of Attack (AOA) sensor failure during takeoff – false high values
- Subsequent Activation of Maneuvering Characteristics Augmentation System, aka MCAS, in response to false high AOA values
- MCAS seeks to reduce AOA values via nose-down horizontal stabilizer trim movement





Ethiopian Airlines Flight 302 Crash Near Bishoftu, Ethiopia (March 10, 2019)





Ethiopian Airlines Flight 302 Current Proceedings

Plaintiffs' Experts

- FDR expert
- Aerospace physiologist
- Medical doctor (OUT)
- 737 Captain
- Biomechanical engineer

Boeing's Experts

- FDR expert (OUT)
- Aerospace physiologist
- Medical doctor
- Research scientist–psychoacoustics (OUT)
- Annex 13 investigation expert (OUT)



THE WALL STREET JOURNAL.

Tracy Brammeier

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Boeing's Legal Dispute: Did 737 MAX Victims Suffer Pain Before the Crash?

Dispute focuses on whether relatives of crash victims are legally entitled to damages beyond their own grief and loss



Home

Did Victims In 737 Max Crash Suffer Before They Died? Boeing Lawyers Say No.

The aerospace giant wants to avoid paying pain and suffering damages to the families of victims aboard Ethiopian Airlines Flight 302.



Mar 17, 2023, 04:47 PM EDT



Boeing REFUSES to pay out more money to families of 157 victims of its killer 737-MAX after insisting the sixminute plunge to the ground they suffered does not constitute 'pain and suffering'

- The argument was aired by the manufacturer's attorneys in Chicago federal court on February 27, days before the four-year anniversary of the Ethiopia crash
- The filing serves as the latest development in a years-long legal saga involving the airliner and that 2019 crash, as well as an earlier one in Indonesia in 2018
- The two crashes killed a total of 346 people, and left all Max jets grounded for two years as Boeing faced federal investigations and civil claims from families

By ALEX HAMMER FOR DAILYMAIL.COM

PUBLISHED: 20:57 EDT, 15 March 2023 | UPDATED: 08:19 EDT, 16 March 2023





Aircraft manufacturer Boeing has argued it should not have to pay more money to families of the people who died in a 2019 crash involving its 737-MAX jet, after insisting the victims died instantly and therefore did not suffer before they perished.

The argument was aired by the company's attorneys last month in documents filed in **Chicago** federal court, days before relatives of the 157 victims descended on Boeing's Virginia headquarters for the four-year anniversary of the Ethiopian Airlines

May 30, 2023, Court Order

"The Court has taken a different tack because it finds that much of the debate in the Daubert briefing is over whether plaintiffs suffered a preimpact physical injury, a question that, the Court now concludes, has no bearing on whether plaintiffs can recover pre-impact emotional distress damages. A jury could reasonably infer from the evidence that will be presented at trial that the passengers on ET 302 perceived that they were going to crash, horrifically, to their certain death. Boeing has not demonstrated that Illinois authority bars plaintiffs from recovering for the pre-impact emotional distress they suffered as a result, and the Court concludes that the Illinois Supreme Court likely would permit recovery of such damages."



January 6, 2021





Case 4:21-cr-00005-O Document 4 Fi	led 01/07/21 Page 1 of 58 PageID 6					
IN THE UNITED STATES D	STRICT COURT FOR THE					
NORTHERN DIST	RICT OF TEXAS FILED					
Fort Worth Division Fort Worth Division KAREN MI CLERK, U.S. COUI		Case 4:21-cr-00005-O Document 1 Filed 01/07/21 Page 1 of 2 PageID 1				
) UNITED STATES OF AMERICA)	4:21-CR-005-O	IN THE UNITED STATES DISTRICT COURT FOR THE				
) v.)		NORTHERN DIST	TRICT OF TEXAS	RICT OF TEXAS January 7, 2021		
THE BOEING COMPANY,		Fort Worth Division		KAREN MITCHELL		
) Defendant.)))		UNITED STATES OF AMERICA v.)) 4:21-CR-0	CLERK, U.S. DISTRICT COURT ^{bb} 005-0		
DEFERRED PROSECU	TION AGREEMENT	THE BOEING COMPANY,				
Defendant The Boeing Company (the "C Company's Board of Directors reflected in Attach		Defendant.)) <u>Count 1</u> : 1))	<u>Count 1</u> : 18 U.S.C. § 371		
Criminal Division, Fraud Section (the "Fraud Sector for the Northern District of Texas (the "USAC agreement (the "Agreement"). The terms and cor	-NDTX") enter into this deferred p	CRIMINAL INFORMATION The United States of America charges:				
<u>Criminal Information and A</u>	-	COUNT ONE (Conspiracy to Defraud the United States)				
		1. From at least in or around November 2016 through at least in or around December				
		2018, in the Northern District of Texas and elsewhere, the Defendant,				

THE BOEING COMPANY,



Boeing Deferred Prosecution Agreement

- A Deferred Prosecution Agreement was entered into between the Boeing Company and the United States Department of Justice, Criminal Division, Fraud Section
- A statement of 54 facts was agreed to by Boeing
- Boeing admitted that the company 737 MAX flight technical pilots deceived the FAA's Aircraft Evaluation Group (AEG) about MCAS


Wed 11/16/2016 2:55:56 AM (UTC) ent: ubject: Conversation with Forkner, Mark A lark Forkner 6:46 PM: dude, log off! 1 Gustavsson, Patrik H 6:46 PM: You too!!! I just logged on to check my schedule. I have so much to do that I want to work from home I just cant get stuff done in the office Mark Forkner 6:47 PM: nah, I'm locked in my hotel room with an ice cold grey goose, I'll probably fire off a few dozen inappropriate emails before I call it a night Gustavsson, Patrik H 6:47 PM: LMAO!!!! Mark Forkner 6:47 PM: this job is insane Gustavsson, Patrik H 6:47 PM: So did you get anything done in the sim today? Or what is the normal chaos there? Mark Forkner 6:48 PM: although it must be easy compared to working as a tech pilot for RYR Gustavsson, Patrik H 6:48 PM: Well it's different here. We are pretty busy here for sure. Mark Forkner 6:48 PM actually this one is pretty stable, and I signed off some DRs, but there are still some real fundamental issues that they claim they're aware of Gustavsson, Patrik H 6:48 PM: What I hated about Ryanair was the extreme pressure they put on people Ok, that's good Mark Forkner 6:49 PM: so I just need to start being a dick to make you quit? Gustavsson, Patrik H 6:49 PM: LOL, that's it! Mark Forkner 6:49 PM: alright, no more mr nice guy! actually I'd cry uncontrollably if you left I'd ask for a job in sales where I can just get paid to drink with customers and lie about how awesome our airplanes are Gustavsson, Patrik H 6:50 PM: I'd cry if anyone in our group left. Mark Forkner 6:50 PM: Oh shocker alerT! MCAS is now active down to M.2 It's running rampant in the sim on me at least that's what Vince thinks is happening Gustavsson, Patrik H 6:51 PM: Oh great, that means we have to update the speed trim descritption in vol 2 Mark Forkner 6:51 PM: so I basically lied to the regulators (unknowingly) Gustavsson, Patrik H 6:51 PM: it wasnt a lie, no one told us that was the case Mark Forkner 6:51 PM: I'm levelling off at like 4000 ft, 230 knots and the plane is trimming itself like craxy I'm like, WHAT? Gustavsson, Patrik H 6:52 PM:

ר טו גרופו, ויומוג הווומוג.מ.וטו גרופו עשטטפוויץ.טטוון, טעטנמיסטוו, ר מנוג דון אמווג.וו. עטטנמיסטוועטטפוויץ.טטוו

υ.

rom:

Forkner, Mark A

that's what i saw on sim one, but on approach

Oh shocker alerT! MCAS is now active down to M .2. It's running rampant in the sim and on me at least that's what Vince thinks is happening.

Oh great, that means we have to update the speed trim description in vol 2

so I basically lied to the regulators(unknowingly)





Slide <u>based on</u> Boeing E-mail, from Mark Forkner to individual at FAA, November 3, 2016

"...jedi-mind tricking regulators into accepting the training that I got accepted by FAA..."

-- Boeing Chief Technical Pilot Mark Forkner, November 2016



Boeing Deferred Prosecution Agreement

- The purpose of the conspiracy was to defraud the FAA AEG by impairing, obstructing, defeating and interfering with the lawful function of the FAA AEG by dishonest means...in order to bring about a financial gain to Boeing
- Resolution was Boeing would be given a criminal monetary penalty in the amount of \$243,600,00
- Boeing would pay \$1,770,000,000 in compensation to the airline customers and \$500,000,000 in compensation to heirs and relatives of victims of Lion Air Flight 610 and ET302. This comes to about \$1.4 million per Estate
- Corporate compliance program for 3 years



US v. Forkner



737 MAX Crashes Exposed MCAS's Low-Speed Expansion to the FAA AEG

35. On or about October 29, 2018, after the FAA AEG learned that Lion Air Flight 610—a 737 MAX—had crashed near Jakarta, Indonesia, shortly after takeoff and that MCAS was operating in the moments before the crash, the FAA AEG discovered that MCAS was no longer limited to high-speed, wind-up turns and could operate at speeds lower than Mach 0.7. After the Lion Air crash, the FAA AEG began reviewing and evaluating MCAS's true operational scope.

36. On or about March 10, 2019, while the FAA AEG was still reviewing MCAS, the FAA AEG learned that Ethiopian Airlines Flight 302-a 737 MAX-had

NOT GUILTY SCAPEGOAT!!



Crime Victims' Rights Act

DEPARTMENT of JUSTICE				
ABOUT	OUR AGENCY	OUR WORK	NEWS	RE
Environment & Natural Resources Division		ces Division » About The	e Division » Envire	Jimentar
• About the Division	What Fede	What Federal Rights Do Crime Victims Have?		
Organizational Chart		Two federal statutes describe the federal Government's responsibi (34 U.S.C. § 20141) describes the services the federal government Rights Act (CVRA) (18 U.S.C. § 3771) sets forth the rights that a per- victims are defined in specific ways in the law.		
Appellate ▼ Environmental	-			

- The reasonable right to confer with the attorney for the government in the case
- The right to be treated with fairness and with respect for the victim's dignity and privacy
- The right to be informed in a timely manner of any plea bargain or deferred prosecution agreement



Three motions under CVRA:

- Motion For Findings That The Proposed Boeing Deferred Prosecution Agreement Was Negotiated In Violation Of The Victims' Rights And For Remedies For Those Violations
- 2. Motion For Exercise Of The Court's Supervisory Power Over The Deferred Prosecution Agreement
- 3. Motion For An Arraignment of Boeing And A Hearing On Conditions of Release



Motion For Findings That The Proposed Boeing Deferred Prosecution Agreement Was Negotiated In Violation Of The Victims' Rights And For Remedies For Those Violations

- Families called the DOJ and were told there was no investigation
- In agreeing to the Statement of Facts, Boeing has admitted its crime caused these crashes
- Requested remedies







Families are not crime victims under CVRA

- Prosecutorial discretion
- No judicial authority over DPA terms
- We don't want an arraignment right now



US v. Forkner

Jury Finds Former Boeing Pilot Not Guilty of Fraud in 737 Max Case

The pilot, Mark Forkner, was the only person to face criminal charges for flaws that resulted in two fatal crashes of one of Boeing's most important planes.







Oct. 21, 2022 Order:

"Movants have established adequate direct causal connection between Boeing's criminal conspiracy and the resulting crashes the Court finds that the tragic loss of life that resulted from the two airplane crashes was a reasonably foreseeable consequence of Boeing's conspiracy to defraud the United States"



Boeing Deferred Prosecution Agreement Arraignment





Feb. 9, 2023 Order:

"The Court holds that it lacks both statutory and inherent authority that would permit any substantive review and disapproval or modification of the DPA at issue in this case. Thus, even if it held legitimate concerns about the substance of the Government's negotiated agreement, the Court has no occasion to address whether the DPA is in fact grossly incommensurate with Boeing's egregious criminal conduct."



Feb. 9, 2023 Order:

"As the representatives point out, Boeing's crime may properly be considered the deadliest corporate crime in U.S. history."

"Had Congress vested this Court with sweeping authority to ensure that justice is done in a case like this one, it would not hesitate. But neither the Speedy Trial Act nor this Court's inherent supervisory powers provide a means to remedy the incalculable harm that the victims' representatives have suffered. And no measure of sympathy nor desire for justice to be done would legitimize this Court's exceeding the lawful scope of its judicial authority."



Feb. 9, 2023 Order:

"The Speedy Trial Act gives the Executive exclusive discretion to negotiate deferred prosecution agreements without judicial oversight, even in response to the most heinous crimes. Despite increasing and perhaps legitimate criticism of these agreements, Congress—not the courts—is the appropriate venue to redress the inadequacies of this statutory enactment. In our system of justice, a judge's role is constitutionally confined to interpreting and applying the law, not revising it."



In the

United States Court of Appeals

for the

Fifth Circuit

In Re Naoise Connolly Ryan, Emily Chelangat Babu and Joshua Mwazo Babu, Catherine Berthet, Huguette Debets, Luca Dieci, Bayihe Demissie, Sri Hartati, Zipporah Kuria, Javier de Luis, Nadia Milleron and Michael Stumo, Chris Moore, Paul Njoroge, Yuke Meiske Pelealu, John Karanja Quindos, and Guy Daud Iskandar Zen S.,

Crime Victims' Representatives-Petitioners.

PETITION FOR A WRIT OF MANDAMUS PURSUANT TO THE CRIME VICTIMS' RIGHTS ACT, 18 U.S.C. § 3771(d)(3)

Mandamus from the United States District Court for the Northern District of Texas Case No. 4:21-cr-005-O





Asbestos and product liability litigation

- the challenges of historic claims

By: Aliyah Akram Olinga Tahzib

Outer Temple Chambers



Tortfeasor no longer exists



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Pursuing the insurer

• Third Parties (Rights against Insurers) Act 2010

• OR

• Third Parties (Rights against Insurers) Act 1930

• Key date: **1 August 2016**

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Sales LJ in **AAA v Unilever Plc** [2018] EWCA Civ 1532 at [36]

"There is no special doctrine in the law of tort of legal responsibility on the part of a parent company in relation to the activities of its subsidiary, vis-àvis persons affected by those activities. Parent and subsidiary are separate legal persons, each with responsibility for their own separate activities. A parent company will only be found to be subject to a duty of care in relation to an activity of its subsidiary if ordinary, general principles of the law of tort regarding the imposition of a duty of care on the part of the parent in favour of a claimant are satisfied in the particular case."



Chandler v Cape Plc [2012] EWCA Civ 525

- C employed as brick loader in late 1950s / early 1960s
- C employed by Cape Building Products Ltd: no longer in existence

Claim against parent company – Cape Plc



Chandler v Cape Plc [2012] EWCA Civ 525

Caparo test:

- 1. Damage foreseeable
- 2. Relationship of proximity
- 3. Fair, just and reasonable to impose duty



Relevant findings of fact:

 Cape Plc maintained a level of control over the business carried on by Cape Products

 Product development carried out centrally through its Group Chief Chemist

Cape had superior knowledge about the asbestos business

• Group Medical Adviser: Dr Smither

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Arden LJ at [78]:

"Given Cape's state of knowledge ... and its superior knowledge about the nature and management of asbestos risks, I have no doubt that in this case it is appropriate to find that Cape assumed a duty of care **either to advise Cape Products on what steps it had to take in the light of knowledge then available to provide those employees with a safe system of work or to ensure that those steps were taken.** The scope of the duty can be defined in either way."



Arden LJ at [80]:

"(1) the businesses of the parent and subsidiary are in a relevant respect the same;

(2) the parent has, or ought to have, superior knowledge on some relevant aspect of health and safety in the particular industry;

(3) the subsidiary's system of work is unsafe as the parent company knew, or ought to have known; and

(4) the parent knew or ought to have foreseen that the subsidiary or its employees would rely on its using that superior knowledge for the employees' protection."



Vedanta Resources Plc and anor v Lungowe and ors [2019] UKSC 20

Konkola Copper Mines Plc – owner and operator of the mine

Vedanta Resources Plc – the parent company



Vedanta argues :

1. It had not intervened sufficiently in the management of the mine owned by Konkola for a direct common law duty of care to arise.

2. The conclusion that Vedanta owed a duty would require a novel and controversial extension of the boundaries of the tort of negligence and required a detailed investigation of C's case



- Endorses summary by LJ Sales at [36] of <u>AAA v Unilever Plc</u> [2018]
 EWCA Civ 1532
- Clarifies that parent company liability in these circumstances isn't novel
- The factors set out in **Chandler** are nothing more than examples



Lord Briggs at [51]:

"For my part, I would be reluctant to seek to shoehorn all cases of the parent's liability into specific categories of that kind, helpful though they will no doubt often be for the purposes of analysis."



• Fast-developing area of law

• Okpabi and ors v Royal Dutch Shell plc and anor [2021] UKSC 3

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Evidence

witness evidence

depositions

inter-party disclosure/inspection

publicly available documents



Evidence

CPR 31.22

(1) A party to whom a document has been disclosed may use the document only for the purpose of the proceedings in which it is disclosed, except where—

(a) the document has been read to or by the court, or referred to, at a hearing which has been held in public;

(b) the court gives permission; or

(c) the party who disclosed the document and the person to whom the document belongs agree.



Evidence

Dring v Cape Intermediate Holdings Limited [2019] UKSC 38

https://asbestosforum.org.uk/cape-documents/

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State of knowledge

Superior knowledge?

Asbestosis Research Council

Asbestos Information Committee

Collective redress in the UK The shortcomings





The Mechanism Problem:



(1) THE MECHANISM

PROBLEM
(1) THE MECHANISM PROBLEM

The Mechanism Problem: Through the Looking Glass



(2) THE MONEY PROBLEM

The Money Problem

- Lack of properly functioning "collective redress" mechanisms in the UK leads to a lack of third-party funding for non-competition cases:
- Contrast third party funding rates for competition claims (opt out) vs third party funding rates for conventional GLO cases (opt in):
- This is fundamentally a question of numbers:





(3) THE PRECEDENT PROBLEM

The Precedent Problem:

- No successful group claim (GLO) brought through the Courts for product liability claimants in the UK since 2001.
- Failure of the CPA 1987 in the UK.
- Reform of the Product Liability Directive in the EU: A New (Claimant Friendly) Product Liability Directive for the EU March 2024:
- A prediction:



DIAGNOSIS Diagnosis: UK as a PL forum non conveniens...

SUPREME COURT OF THE STATE OF NEW	W YORK - NEW YORK COUNTY
PRESENT: MANUEL J. MENDEZ Justice	PART <u>13</u>
IN RE: NEW YORK CITY ASBESTOS LITIGATION	
HANNAH LOUISE FLETCHER AND DUNCAN FLETCHER, Plaintiffs, -against- AVON PRODUCTS, INC., et al.,	INDEX NO. <u>190045/2019</u> MOTION DATE <u>03/18/2020</u> MOTION SEQ. NO. <u>001</u> MOTION CAL. NO
Defendants.	

The following papers, numbered 1 to 19 were read on this motion by defendants Clinique Laboratories, LLC, Estée Lauder Inc., Estée Lauder International, Inc., and The Estée Lauder Companies Inc., pursuant to CPLR §327(a) to dismiss this action for forum non conveniens: "plaintiffs through the expert witness," Henry David Glyn Steinberg, QC, have also show that the transfer of this action to England -where cases are not taken on contingency fee basis, where there are no jury trials or loss of consortium claims; where necessary discovery is limited, costly and to be paid out of pocket;and although there is product liability law in England, non-occupational exposure claims are typically not brought because there are no barristers or solicitors willing to proceed against a manufacturer or seller – will create a hardship on them as they have limited resources and would be unable to proceed if the case is required to be litigated in the UK".

- Justice Manuel J Mendez
- Hannah Louise Fletcher and Duncan Fletcher vs. Avon Products Inc. Et al.



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Managing the Claim

Gerard McDermott KC

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My perspective

- PI and Clin Neg Litigation for 30 + years
- Always an eye to product liability
- And to the US as a forum
- Active in American Bar for 35 + years
- And learnt much from them
- And the importance of group actions
- A claimant perspective



Managing a claim with multiple solicitors

- Importance of a representative steering committee
- With common counsel
- That meets regularly
- And keeps others informed
- Good minutes and agendas
- And someone taking a lead on correspondence with opposing parties and the court
- Important for Defendants to know this is in place to progress case



Use of Counsel

- Choice of counsel a strength of the Bar
- There will often be a lot of work
- Calling for different skills
- And for a whole team often more than one KC
- Need the team to work and to play to strengths
 - Not only experience in the field
 - Also client management skills
- And in e.g. medical device claims GLO experience but also PI experience



Keeping track of the case

- Part of role of steering committee
- As above contact points for opposing parties
- And keeping clients informed
- And dealing with inevitable queries



Gathering information

- Where a large number of Cs common templates
- May not need everything at start but need enough to see
 - Shape of the case
 - Value of case
 - And what more may be needed
- Information ...and enough of it ... properly organised ... vital



Costs and cost management

- Key to deal with this at the outset
- Appointing costs lawyers and consultants
- Ensuring CFAs with clients
- And ATE insurance where necessary]
- And clear funding arrangements
- And keeping track of costs



Managing Multiple Defendants

- There will be issues between them
- And key to recognise that
- Encourage some structure on their part
- And dialogue at all stages



Using counsel effectively

- Where multiple parties
- And multiple issues
- And different interests and insurers
- A core group of counsel representing all parties may make things smoother



ADR and Mediation – KEY

- Ds have a case to defend
- And will want to use appropriate tactics
- And this is adversarial
- But where a disaster has occurred the route to success for Cs may be clear
- And in many cases there will have been significant harm to a large number of people
- It will often be the case that ADR will help all from the outset including discussions about what ADR will look like



ADR

Where to start?

- Maybe initially as to how case will be managed
- And will often be room for a collaborative approach
- Ds may need their own ADR to deal with apportionment
- In cases of serious injury a collaborative approach is the rule rather than the exception – and benefits all
- Maybe appoint the right mediators at the outset
- Will likely benefit all

A Man, a Time, and the Deadliest Hurricane in History

> ISAAC'S STORM

ERIK LARSON,

Better Able to Predict

Better Able to Prepare

Better Able to React



What's a Product Crisis?

- A claim of product defect causing injury or harm
- Widespread concern for public safety
- Media and political attention
- Litigation and investigation
- Threat to company trust









A Multi-Venued Crisis





Sir John Egan: How a Company Responds to a Crisis





Sir John Egan: How a Company Responds to a Crisis

- Customer focus
- Gained in drops/Lost i
- Be Brutally Honest
- Crisis is Opportunity to





Three Guiding Principles





Responding to the Product Crisis

- Be Ready
 Be Urgent/Agile
- Value Accuracy
- Promote Consistency
- Customer Focus









Thank you for attending

Running product liability, aviation and mass tort claims in the UK & US

For further information, please contact Paul Barton paul.barton@outertemple.com



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GERARD MCDERMOTT KC OUTER TEMPLE CHAMBERS



ALIYAH AKRAM OUTER TEMPLE CHAMBERS



OLINGA TAHZIB OUTER TEMPLE CHAMBERS



KEVIN P. DURKIN CLIFFORD LAW



JOEL SMITH BOWMAN AND BROOKE



SARAH MOORE