#### Levine's Infringement Contentions per Local Patent Rule 120

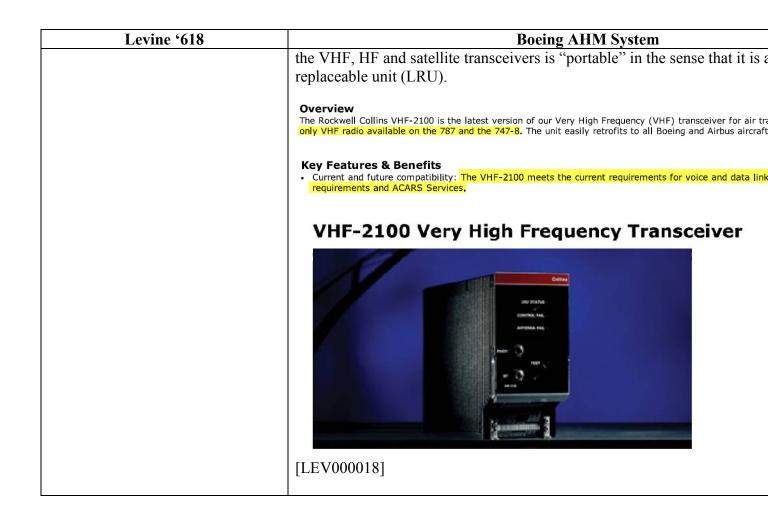
Levine '618	Boeing AHM System	
4. An aircraft maintenance system for use on an aircraft having a flight data recorder, the maintenance system comprising:	Boeing Aircraft Health Management (AHM) is an aircraft maintenance sy provide airlines timely information about aircraft conditions to enable the efficiently manage aircraft maintenance. How AHM Works	
	<ul> <li>AHM collects data in real time from the flying fleet and makes it available to ground operations.</li> <li>Alerts and notifications are delivered to your personnel through the Internet, fax, mobile devices, e-mail and pager services.</li> <li>Teams across your operations access and process information with Boeinghosted tools on the MyBoeingFleet.com web portal.</li> <li>Your teams receive cust information packages b information needs, select and urgency.</li> <li>You make fix-or-fly and decisions with better infin a fraction of the time monitoring, collection or analysis of information.</li> </ul>	
a transmitter portable to be placed on an aircraft, said transmitter configured for transmission of digital aircraft performance data across a communication network while said aircraft is in flight; and	[LEV000002] All Boeing aircraft have a flight data recorder. <i>See</i> 14 C.F.R. §121.343. AHM uses the onboard ACARS system to transmit digital aircraft perform the aircraft is in flight, using one or more different communication network	

LEVINE'S INFRINGEMENT CONTENTIONS CIVIL ACTION NO. 14-CV-01991-RSL	Exhibit A	
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Levine '618	Boeing AHM System
	<b>Custom Alerting and Analysis.</b> Customer-specified mon alerting of any data transmitted from the airplane to addres airplane system issues. AHM automatically monitors, collect transmits service levels using ACARS through the installed Condition Monitoring System (ACMS).
	[LEV000002]
	1. Record cruise data.
	Once tight atmospheric and airplane
	criteria for stable cruise have been
	achieved, the ACMS records air data,
	engine, and airplane performance
	parameters over a period of several
	minutes. The resulting data can be sent
	to the ground via the ACARS in a sum-
	[LEV00008] [LEV00008]
	<b>Custom Alerting and Analysis</b> – Customer-specified monitoring and alerting of ar from the airplane to address developing airplane system issues. AHM automatically and transmits service levels using ACARS through the installed Aircraft Condition M (ACMS). This includes tire pressure, oxygen pressure, hydraulic fluid, APU, and eng Consumption trends are tracked to facilitate maintenance planning, calculate optime or provide supplemental information to your ETOPS program. [LEV000013]; See also, LEV000016 The ACARS system uses VHF, HF or satellite communications, depending of the aircraft relative to the ground station and the configuration of the aircraft condition.
E'S INFRINGEMENT CONTENTIONS	of the aircraft relative to the ground station and the configuration of the ai         Exhibit A
ACTION NO. 14-CV-01991-RSL	EXIIIOII A

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LEVINE'S INFRINGEMENT CONTENTIONS CIVIL ACTION NO. 14-CV-01991-RSL Exhibit A	
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Levine '618	Boeing AHM System
	<b>Overview</b> The HFS-900D is the most widely used High Frequency radio in airline use for long range communications, of HF Transceiver (HFS-900D) and Antenna Coupler (CPL-920D). The system is certified on all Boeing and the unique power requirement on the 787 and A380. The HFS-900D has all Voice and Data Modes available 1800 bps. The system replaces all earlier version of the Rockwell Collins HF radio products, including the H 628T-2D.
	Warranty and Life Cycle Support Information
	<ul> <li>Key Features &amp; Benefits</li> <li>The HFS-900D gives global communication coverage for both voice and data</li> <li>An imbedded HF data MODEM, allows the data communication without external MODEM</li> <li>The CPL-920D antenna coupler is a fully digital coupler, that uses a proprietary tuning algorithm that all</li> <li>Digital data communication includes the ACARS MU or CMU</li> <li>The system meets all Boeing and Airbus requirements for operation on all in-production aircraft, including</li> <li>Meets all ARINC specification, including: 753, 635, 719 and 635</li> </ul>
	HFS-900D / CPL-920D High Frequency
	[LEV000020]
a central station connected to said	AHM includes a ground component connected to the one or more commu
communication network configured	networks the aircraft uses to transmit ACARS messages. The ground stat
•	to receive the digital aircraft performance data transmitted from the aircra
to receive and analyze said digital	
to receive and analyze said digital aircraft performance data to	data and generate maintenance advice that is provided to the aircraft operation
to receive and analyze said digital	

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Levine '618	Boeing AHM System
said aircraft while said aircraft is in flight,	and pager services" and making the information available on MyBoeingFl [LEV000002]
	AHM information also goes to Boeing Operations Control Centers which are staffed 24/7 to support airline operations teams. When t centers receive data from the AHM system and other sources, Boein responds quickly, engaging suppliers, technical experts and engineering resources as needed to provide its airline customers w information, guidance and solutions. [LEV000022]

CIVIL ACTION NO. 14-CV-01991-RSL	LEVINE'S INFRINGEMENT CONTENTIONS CIVIL ACTION NO. 14-CV-01991-RSL	Exhibit A	
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