

IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF TEXAS
WACO DIVISION

PARKERVISION, INC.,
Plaintiff

-v-

INTEL CORPORATION,
Defendant

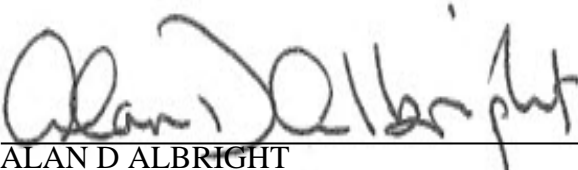
§
§
§
§
§
§
§
§
§
§

W-20-CV-00108-ADA

CLAIM CONSTRUCTION ORDER

The Court held a *Markman* hearing on January 26, 2021. During that hearing, the Court provided its final constructions. The Court now enters those claim constructions.

SIGNED this 26th day of January, 2021.



ALAN D ALBRIGHT
UNITED STATES DISTRICT JUDGE

LC Ex 1013

Term	Plaintiff's Proposed Construction	Defendants' Proposed Construction	Court's
<p>“universal frequency down-converter (UFD)” (’518 patent, claim 50)</p>	<p>“circuitry that generates a down converted output signal from an input signal”</p>	<p>“A down-converter that down-converts a carrier signal at an aliasing rate (i.e., by sampling at less than or equal to twice the frequency of the carrier signal)”</p>	<p>“circuitry down converted from an input wide range of frequencies”</p>
<p>“energy transfer module” (’902 patent, claim 1)</p>	<p>Plain and ordinary meaning</p>	<p>“A module that down-converts an electromagnetic signal by transferring energy at an aliasing rate (i.e., by sampling at less than or equal to twice the frequency of the electromagnetic signal)”</p>	<p>Plain-and-</p>
<p>“frequency down-conversion module” (’444 patent, claims 2, 3; ’474 patent, claim 1)</p>	<p>Plain and ordinary meaning</p>	<p>“A module that down-converts an input signal at an aliasing rate (i.e., by sampling at less than or equal to twice the frequency of the input signal)”</p>	<p>Plain-and-</p>
<p>“aliasing module” (’725 patent, claim 1)</p>	<p>Plain and ordinary meaning</p>	<p>“A module that down-converts an RF information signal at an aliasing rate (i.e., by sampling at less than or equal to twice the frequency of the RF information signal)”</p>	<p>Plain-and-</p>

Term	Plaintiff's Proposed Construction	Defendants' Proposed Construction	Court's
<p>“system for frequency down-converting” ('513 patent, claim 19; '528 patent, claim 1; '736 patent, claim 1)</p>	<p>Plain and ordinary meaning</p>	<p>“A system that down-converts a modulated carrier signal at an aliasing rate (i.e., by sampling at less than or equal to twice the frequency of the modulated carrier signal)”</p>	<p>Preamble and-ordina</p>
<p>“frequency down-conversion module” ('673 patent, claim 1)</p>	<p>Plain and ordinary meaning</p>	<p>“A module that down-converts an input modulated carrier signal at an aliasing rate (i.e., by sampling at less than or equal to twice the frequency of the input modulated carrier signal)”</p>	<p>Plain-and-</p>
<p>“apparatus for down-converting” ('673 patent, claim 13)</p>	<p>Plain and ordinary meaning</p>	<p>“An apparatus that down-converts a modulated carrier signal at an aliasing rate (i.e., by sampling at less than or equal to twice the frequency of the modulated carrier signal)”</p>	<p>Preamble and-ordina</p>
<p>“under-samples” ('444 patent, claim 2; '474 patent, claim 6)</p>	<p>“sampling at an aliasing rate” or “sampling at less than or equal to twice the frequency of the input signal”</p>	<p>“samples at less than or equal to twice the frequency of the input signal using negligible apertures (i.e., pulse widths) that tend towards zero time in duration”</p>	<p>“sampling to twice th input signa</p>

Term	Plaintiff's Proposed Construction	Defendants' Proposed Construction	Court's
<p>“the [] switch is coupled to the [] storage element at a [] node and coupled to a [] reference potential” (’474 patent, claim 1)</p>	<p>Plain and ordinary meaning</p>	<p>“the switch receives current from a storage element via a node, and shunts (i.e., diverts) current to a point held at a constant reference voltage”</p>	<p>Plain-and- wherein “ connected through a closed swi</p>
<p>[wherein said storage elements comprises] “a capacitor that reduces a DC offset voltage in said first-down converted signal and said second down-converted signal” (’444 patent, claim 4)</p>	<p>Plain and ordinary meaning</p>	<p>[wherein said storage elements comprises] “a capacitor that reduces a DC offset voltage in both said first down-converted signal and said second down-converted signal”</p>	<p>Plain-and- wherein th each of the reduces a the corres converted</p>
<p>“DC offset voltage” (’444 patent, claim 4)</p>	<p>“a deviation of DC voltage from a reference voltage”</p>	<p>“a DC voltage level that is added to a signal of interest by related circuitry”</p>	<p>Plain-and- wherein th meaning is between th signal and e.g., grou</p>
<p>“energy storage element” (’513 patent, claim 19; ’528 patent, claim 1;’736 patent, claims 1, 11, 21)</p>	<p>“an element of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal for driving a low impedance load”</p>	<p>“an element that stores non-negligible amounts of energy from an input electromagnetic (EM) signal”</p>	<p>“an element transfer sy negligible from an in signal”</p>

Term	Plaintiff's Proposed Construction	Defendants' Proposed Construction	Court's
"energy storage device" ('673 patent, claim 13)	"a device of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal for driving a low impedance load"	"a device that stores a non-negligible amount of energy from an input electromagnetic (EM) signal"	"a device of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal"
"energy storage module" ('902 patent, claim 1)	"a module of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal for driving a low impedance load"	"a module that stores a non-negligible amount of energy from an input electromagnetic (EM) signal"	"a module of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal"
"storage element" ('444 patent, claim 3; '474 patent, claim 1)	"an element of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal for driving a low impedance load"	"an element that stores a nonnegligible amount of energy from an input electromagnetic (EM) signal"	"an element of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal"
"storage module" ('725 patent, claim 1)	"a module of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal for driving a low impedance load"	"a module that stores a non-negligible amount of energy from an input electromagnetic (EM) signal"	"a module of an energy transfer system that stores non-negligible amounts of energy from an input electromagnetic signal"

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.