

**IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF TEXAS
AUSTIN DIVISION**

**NIPPON TELEGRAPH AND
TELEPHONE CORPORATION,
JAPANESE CORPORATION; AND
ESSENTIAL WIFI LLC,**
Plaintiffs

A-20-CV-00583-ADA

-v-

**TEXAS INSTRUMENTS INC., A
DELAWARE CORPORATION;**
Defendant

**NIPPON TELEGRAPH AND
TELEPHONE CORPORATION,
JAPAN CORPORATION; AND
ESSENTIAL WIFI LLC,**
Plaintiffs

A-20-CV-00632-ADA

-v-

**MEDIATEK INC., TAIWAN
CORPORATION; AND MEDIATEK
USA INC., DELAWARE
CORPORATION;**
Defendants

**NIPPON TELEGRAPH AND
TELEPHONE CORPORATION,
ESSENTIAL WIFI LLC,**
Plaintiffs

A-20-CV-00769-ADA

-v-

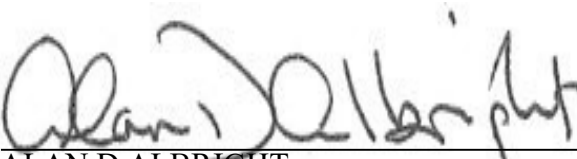
ACER INC., ACER AMERICA INC.,
Defendants

CLAIM CONSTRUCTION ORDER

The Court held a *Markman* hearing on February 4, 2021. During that hearing, the Court provided its final constructions. The Court now enters those claim constructions.

MediaTek Exhibit 1055 MediaTek v. Nippon IPR2020-01404
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SIGNED this 4th day of February, 2021.



ALAN D ALBRIGHT
UNITED STATES DISTRICT JUDGE

Term	Plaintiff's Proposed Construction	Defendants' Proposed Construction	Court's Final Construction
"interference canceller" ('720 Patent, Claims 18, 19, 21, 22, 31, 32)	"a device, embodied in software and/or hardware, designed to reduce effects of unwanted signals or noise on a desired signal"	Plain meaning	Plain-and-ordinary meaning wherein the plain-and-ordinary meaning is "a device for reducing interference from unwanted signals or noise"
"the OFDM signal transmitting device comprises at least an interference canceller among an inverse matrix computer, the interference canceller, and a pilot signal generator" ('720 Patent, Claim 18)	"interference canceller" construed as above; remainder of the claim term speaks for itself and should be construed as plain meaning.	"the OFDM signal transmitting device comprises at least an interference canceller operating in connection with an inverse matrix computer and a pilot signal generator"	Plain-and-ordinary meaning.
"the OFDM signal receiving device comprises at least an inverse matrix computer and an interference canceller among the inverse matrix computer, the interference canceller and a pilot signal generator" ('720 Patent, Claim 22)	"interference canceller" construed as above; remainder of the claim term speaks for itself and should be construed as plain meaning.	"the OFDM signal receiving device comprises at least an inverse matrix computer and an interference canceller operating in connection with a pilot signal generator"	Plain-and-ordinary meaning.

Term	Plaintiff's Proposed Construction	Defendants' Proposed Construction	Court's Final Construction
<p>“the OFDM signal receiving device comprises at least an inverse matrix computer among the inverse matrix computer and a pilot signal generator” ('720 Patent, Claim 31)</p>	<p>Claim term speaks for itself and should be construed as plain meaning</p>	<p>“the OFDM signal receiving device comprises at least an inverse matrix computer operating in connection with a pilot signal generator”</p>	<p>Plain-and-ordinary meaning.</p>
<p>“transmitting a plurality of wireless packets simultaneously” ('551 Patent, Claims 1, 2, 5, 6)</p>	<p>The claim term speaks for itself and should be construed as plain meaning; usage in preamble is not limiting.</p>	<p>At least this quoted portion of the preamble is limiting and should be given its plain meaning</p>	<p>“transmitting a plurality of wireless packets simultaneously” is limiting in the preambles of Claims 1, 2, 5, and 6. Nothing else in those preambles is limiting.</p>
<p>“mandatory channel” ('551 Patent, Claims 1, 2, 5, 6)</p>	<p>“one of several frequency ranges provided between two STAs, whose busy/idle state determines whether there is transmission regardless of idle state of the other available channels”</p>	<p>Plain meaning</p>	<p>Plain-and-ordinary meaning wherein the “mandatory channel” may be the only channel and wherein its busy/idle state determines whether there is transmission regardless of idle state of other channels (if any).</p>
<p>“data packet” ('616 Patent, Claims 1, 5)</p>	<p>“a unit of data that is transmitted over a wireless medium”</p>	<p>Plain meaning</p>	<p>Plain-and-ordinary meaning.</p>

Term	Plaintiff's Proposed Construction	Defendants' Proposed Construction	Court's Final Construction
"transmitting a plurality of data packets simultaneously" ('616 Patent, Claim 1)	"data packet" construed as above; remainder of the claim term speaks for itself and should be construed as plain meaning; usage in preamble is not limiting.	At least this quoted portion of the preamble is limiting and should be given its plain meaning	"a plurality of data packets" is limiting, but nothing else in the preamble is.
"simultaneously transmitting . . . a plurality of wireless packets" ('781 Patent, Claims 1, 16)	The claim term speaks for itself and should be construed as plain meaning; usage in preamble is not limiting.	At least this quoted portion of the preamble is limiting and should be given its plain meaning	Preamble is not limiting.
"paired wireless channels" ('781 Patent, Claims 1, 16)	The claim term speaks for itself and should be construed as plain meaning	"channel that would be affected by leakage from the transmitting wireless channel"	Plain-and-ordinary meaning.
"predetermined time Ts" ('781 Patent, Claims 1, 16)	"amount of time that is defined before the duration of a data transmission is known"	"a transmission inhibition time that is defined by a received packet during transmission of a wireless packet"; alternatively, indefinite	"an amount of transmission inhibition time that is defined before calculation of the total transmission inhibition time"

Term	Plaintiff's Proposed Construction	Defendants' Proposed Construction	Court's Final Construction
<p>“setting, by said transmit-side STA, time ($T_{max}+T_s$) as transmission inhibition time to a paired wireless channel . . . , the transmission inhibition time used in the virtual carrier sense” ('781 Patent, Claim 1)</p>	<p>The claim term speaks for itself and should be construed as plain meaning</p>	<p>“setting the virtual carrier sense transmission inhibition time for the paired wireless channel in the transmit-side STA to ($T_{max}+T_s$)”</p>	<p>Plain-and-ordinary meaning.</p>
<p>“a virtual carrier sense unit of said transmit-side STA setting time ($T_{max}+T_s$) as transmission inhibition time to a paired wireless channel” ('781 Patent, Claim 16)</p>	<p>The claim term speaks for itself and should be construed as plain meaning</p>	<p>“a virtual carrier sense unit of said transmit-side STA setting the virtual carrier sense transmission inhibition time for the paired wireless channel in the transmit-side STA to ($T_{max}+T_s$)”</p>	<p>Plain-and-ordinary meaning.</p>