

EXHIBIT 1

2017-1848, -1911
VOLUME II OF V
(Appx2022-6322)

In The
United States Court of Appeals
For The Federal Circuit

**CHRIMAR HOLDING COMPANY, LLC, CHRIMAR
SYSTEMS, INC., dba CMS Technologies, Inc.,**

Plaintiffs - Cross-Appellants,

v.

ALE USA INC., fka Alcatel-Lucent Enterprise USA, Inc.,

Defendant - Appellant.

**APPEALS FROM THE UNITED STATES DISTRICT COURT
FOR THE EASTERN DISTRICT OF TEXAS
IN NOS. 6:15-CV-00163-JDL JUDGE JOHN LOVE**

NON-CONFIDENTIAL JOINT APPENDIX

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Dated November 13, 2017

Appendix Page No.	Description	Date Entered	Docket No.
Appx5370–5371	STIPULATION Defendant ALE USA Inc.'s Notice of Stipulation Regarding The '012 and '760 Patents by Alcatel Lucent Enterprise USA Inc.. (Williams, Danny) (Entered: 09/30/2016)	09/30/2016	337
Appx5373–5375; Appx5409–Appx5410	Proposed Jury Instructions by Chrimar Holding Company, LLC, Chrimar Systems, Inc.. (Attachments: # 1 Chrimar's Proposed Verdict Form, # 2 ALE's Proposed Verdict Form)(Cohen, Justin) (Entered: 10/06/2016)	10/06/2016	343
Appx5571–5576	TRANSCRIPT of Jury Trial, Morning Session, held on 10/3/2016 before Judge John D. Love. Court Reporters: Christina Bickham and Tonya Jackson, Telephone number: 409-654-2891		358
Appx5684–5686; Appx5727; Appx5734–5741; Appx5748–5752; Appx5762–5764; Appx5769–5776	TRANSCRIPT of Jury Trial, Afternoon Session, held on 10/3/2016 before Judge John D. Love. Court Reporters: Christina Bickham and Tonya Jackson, Telephone number: 409-654-2891. chris.bickham@yahoo.com		359
Appx5856–5858; Appx5878; Appx5887–5888; Appx5892; Appx5896–5897; Appx5921–5922; Appx5936–5943; Appx5967	TRANSCRIPT of Jury Trial, Morning Session, held on 10/4/2016 before Judge John D. Love. Court Reporters: Christina Bickham and Tonya Jackson, Telephone number: 409-654-2891		360
Appx5977–5979; Appx5997–6000; Appx6011;	TRANSCRIPT of Jury Trial, Afternoon Session, held on 10/4/2016 before Judge John D.		361

1 power for all of these devices.

2 So each -- there's a specific way that is
3 called "Power over Ethernet" that ensures that you can
4 provide power over the same wires that are used to
5 collect data. And that is the advantage of this PoE, or
6 Power over Ethernet, that for the -- the same wire that
7 carries signals for data also carries power.

8 Q. And, Dr. Madisetti, for your discussion today, is
9 it fair to assume when you refer to Power over Ethernet
10 you're referring to Power over Ethernet in accordance
11 with the IEEE 802.3af and at standards?

12 A. Yes. There are -- there are -- we'll get to the
13 IEEE in a minute. The IEEE has standardized the use of
14 PoE. And when we talk about PoE, we are referring to the
15 standardized version of PoE.

16 And as you note, the PoE market has been
17 growing tenfold over the past ten years. So between 2005
18 and 2014, there has been a rapid growth of almost -- from
19 20 million to about a hundred million units per year.
20 These are worldwide PoE port shipments.

21 So it's a very popular and very advantageous
22 market because it provides various features that are of
23 advantage to both suppliers and consumers.

24 Q. And, Doctor, if you could explain Chrimar's
25 technology.

1 A. Yes.

2 Q. What are these two standards?

3 A. So Exhibit 8 is the 802.3af standard, which IEEE
4 ratified in 2003. And then you have the IEEE on the
5 right, which is 802.3at, T as in Tom, that is Exhibit 9,
6 that was ratified later 2009.

7 So these represent the two standards called
8 the "PoE standards" that use Chrimar's inventions for
9 those two important steps which are detection and
10 classification.

11 Q. What are you showing here?

12 A. And IEEE PoE standards themselves acknowledge the
13 benefits of the standard. They say that (reading) the
14 objectives of the power over the media dependent
15 interface is that it's designed to be a standard and
16 can -- thus, you can have both power and data without no
17 additional connections.

18 It's also safe because these telephones and
19 cameras are handled by people, so you want to make sure
20 that you don't introduce any voltage that would harm
21 them.

22 It also allows compatibility so that you can
23 have compatibility with various types of Ethernet
24 networks without additional cabling.

25 And it's also a very simple design. As you

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