## IN THE UNITED STATES DISTRICT COURT FOR THE EASTERN DISTRICT OF TEXAS MARSHALL DIVISION

DALE PROGRESS LTD.,

Plaintiff,

**CIVIL ACTION NO. 2:18-cv-473** 

 $\mathbf{v}_{ullet}$ 

SUZUKI MOTOR OF AMERICA, INC.,

Defendant.

**JURY TRIAL DEMANDED** 

## PLAINTIFF'S FIRST AMENDED COMPLAINT

Plaintiff Dale Progress Ltd. ("Plaintiff"), by and through its undersigned counsel, files this First Amended Complaint against Defendant Suzuki Motor of America, Inc. ("Defendant") as follows:

## NATURE OF THE ACTION

1. This is an action for violation of 35 U.S.C. §§ 271(a) and 35 U.S.C. §§ 271(b). This is a patent infringement action to stop Defendant's infringement of the United States Patent No. 8,320,461 ("the '461 patent") entitled "Remote Resource Access Interface Apparatus". A true and correct copy of the '461 patent is attached hereto as <a href="Exhibit A">Exhibit A</a>. Plaintiff is the owner by assignment of the '461 patents. Plaintiff seeks monetary damages and injunctive relief.

## **PARTIES**

- 2. Plaintiff is a limited liability company having a principal place of business located at #204(#-81), 83, Gasan digital 1-ro, Gasan-Dong Geumcheon-gu, Seoul, 08589, Republic of Korea.
- 3. Upon information and belief, Defendant is a corporation organized and existing under the laws of the State of California with a principal place of business located at 3251 E.

Imperial Hwy., Brea, CA 92821. Defendant can be served with process by serving Jerry Hashimura, 3251 E Imperial Hwy. Brea, CA 92821.

## **JURISDICTION AND VENUE**

- 4. This action arises under the Patent Laws of the United States, 35 U.S.C. § 1 *et seq.*, including 35 U.S.C. §§ 271, 281, 283, 284, and 285.
- 5. This Court has subject matter jurisdiction over this case for patent infringement under 28 U.S.C. §§ 1331 and 1338(a).
- 6. The Court has personal jurisdiction over Defendant because: Defendant is present within or has minimum contacts within the State of Texas and the Eastern District of Texas; Defendant has purposefully availed itself of the privileges of conducting business in the State of Texas and in the Eastern District of Texas; Defendant has sought protection and benefit from the laws of the State of Texas; Defendant regularly conducts business within the State of Texas and within the Eastern District of Texas; and Plaintiff's cause of action arises directly from Defendant's business contacts and other activities in the State of Texas and in the Eastern District of Texas.
- 7. More specifically, Defendant, directly and/or through intermediaries, ships, distributes, uses, offers for sale, sells, and/or advertises products and services in the United States, the State of Texas, and the Eastern District of Texas including but not limited to the Accused Instrumentalities as detailed below. Upon information and belief, Defendant has committed patent infringement in the State of Texas and in the Eastern District of Texas. Defendant solicits and has solicited customers in the State of Texas and in the Eastern District of Texas. Defendant has paying customers who are residents of the State of Texas and the Eastern District of Texas and

who each use and have used the Defendant's products and services in the State of Texas and in the Eastern District of Texas.

8. Venue is proper in the Eastern District of Texas pursuant to 28 U.S.C. §§ 1400(b). On information and belief, Defendant in incorporated in this district, or has a regular and established business presence in this district with a brick and mortar location at 900 N. Central Expy., McKinney, TX 75070 and has transacted business in this district, and has directly and/or indirectly committed acts of patent infringement in this district.

## **COUNT I – PATENT INFRINGEMENT**

- 9. Plaintiff refers to and incorporates herein the allegations of Paragraphs 1-8 above.
- 10. The '461 patent was duly and legally issued by the United States Patent and Trademark Office on November 27, 2012 after full and fair examination. Plaintiff is the owner by assignment of the '461 patent and possesses all rights of recovery under the '461 patent, including the exclusive right to sue for infringement and recover past damages and obtain injunctive relief.
- 11. Defendant owns, uses, operates, advertises, controls, sells, and otherwise provides apparatus and methods that infringe the '461 patent. Claim 9 of the '461 patent provides, among other things, "a remote resource access interface apparatus comprising: a key input unit configured to generate input key values; a communication unit configured to transmit a connection establishment request message to determine compatibility with a portable device and in order to establish a connection and, if compatible, to receive a connection establishment response message including screen resolution information and supportable key information from the portable device, the communication unit further configured to transmit input key information and to receive video information from the portable device after establishing the connection; a video output unit configured to display the video information in the form of a visual image, the video output unit

having a display screen larger than the portable device, wherein the screen resolution information includes information regarding the screen resolutions supported by the video output unit; and a key advisor unit configured to extract the supportable key information from the connection establishment response message and output the supportable key information to the video output unit, wherein the key advisor unit displays on a display screen of the video output unit, if a key configuration mode is activated, keys of the portable device and is configured to receive corresponding keys through the key input unit, and wherein key values corresponding to the keys of the key input unit match key values of the portable device, and wherein the video information is video data adjusted in resolution by the portable device for the video output unit on the basis of the screen resolution information, and the input key value is mapped to one of key values indicated by the supportable key information of the portable device."

- 12. Defendant has been and is now infringing the '461 Patent in the State of Texas, in this judicial district, and elsewhere in the United States, by, among other things, directly or through intermediaries, making, using, importing, testing, providing, supplying, distributing, selling, and/or offering for sale apparatus and methods (including, without limitation, the Defendant's products including MirrorLink Functionality of the SX4 S-CROSS, and Vitara identified herein as the "Accused Instrumentality") that provide a remote resource access interface device, covered by at least claim 9 of the '461 patent to the injury of Dale Progress Ltd. Defendant is directly infringing, literally infringing, and/or infringing the '461 patent under the doctrine of equivalents. Defendant is thus liable for infringement of the '461 patent pursuant to 35 U.S.C. § 271.
- 13. Claim 9 of the '461 patent, claims a remote resource access interface apparatus comprising:



MirrorLink na Xperia Z3 w Suzuki Vitara ...

(www.youtube.com, screenshot taken November 5, 2018)

a key input unit configured to generate input key values;



### 3.1 Definitions

For the purposes of the present document, the following terms and definitions apply:

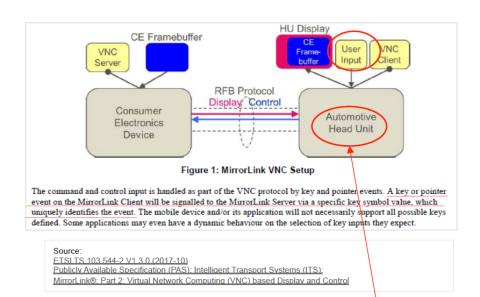
pointer event: touch screen action in which the user touches the screen with one (virtual) finger only at a single location

touch event: touch screen action in which the user touches the screen with two or more separate fingers at different locations

NOTE: touch events are used to describe more complex touch action, like pinch-open or pinch-close

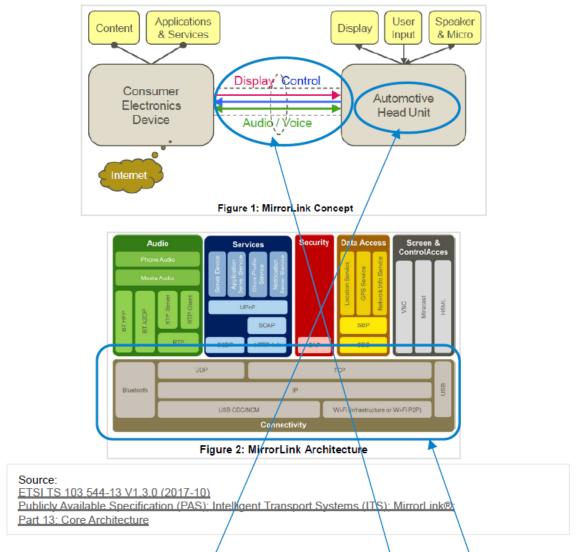
Source:
ETSI TS: 103:544-13 V1.3.0 (2017-10)
Publicly Available Specification (PAS): Intelligent Transport Systems (ITS): MirrorLink®:
Part 13: Core Architecture

Analyst comment – MirrorLink supports pointer events and touch events where a pointer event means touching with one finger and a touch event means touching with two or more separate fingers on a touch screen.



Analyst comment – To support pointer events and touch events, the automotive head unit (HU) has to have a touch input detection unit to detect them on a display screen and to generate touch position information on a display screen to process them accordingly. (MirrorLink Client = Head Unit, Server = Consumer Electronic Device such as smartphone).

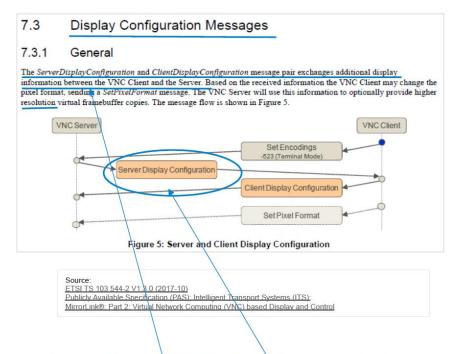
a communication unit configured to transmit a connection establishment request message to determine compatibility with a portable device and in order to establish a connection and, if compatible, to receive a connection establishment response message including screen resolution information and supportable key information from the portable device, the communication unit further configured to transmit input key information and to receive video information from the portable device after establishing the connection;



Analyst comment – The <u>automotive HU</u> has to <u>communicate with</u> a consumer electronic device such as smartphone by using one or more of the <u>connectivity protocols</u>. It means the automotive HU has to have a communication unit.



Analyst comment. The communication unit in the client (=Automotive HU) transmits keyboard layout, various key, and pointer events (=input key information) to the server (=portable device) via ClientEventConfiguration message.



Analyst comment – The <u>client receives</u> video info such as resolution from the server (=consumer device such as smartphone) via <u>ServerDisplayConfiguration</u>.

a video output unit configured to display the video information in the form of a visual image, the video output unit having a display screen larger than the portable device, wherein the screen resolution information includes information regarding the screen resolutions supported by the video output unit; and



Analyst comment – A video output unit <a href="mailto:learnest-sub-align: learnest-sub-align: learnest-sub

# 7.3.2 Framebuffer Scaling (VNC Server) The MirrorLink VNC Server shall down-scale its framebuffer to fit into the framebuffer resolution provided from the MirrorLink Client in the ClientDisplayConfiguration message. The MirrorLink VNC Server shall follow the framebuffer down-scaling configurations, as given in Table 10. Table 10: Framebuffer Downscaling Configurations MirrorLink Client Framebuffer FBcilient MirrorLink Server Framebuffer FBserver FBserver < 1 024 x 600 FBserver ≥ 1 024 x 600 FBclient < 800 x 480 (MirrorLink 1.0 - 1.2 Clients only) FBclient or 800 x 480 FBclient or 800 x 480

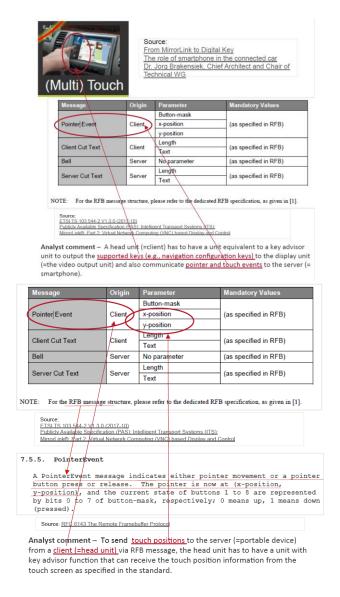
## 7.3.3 Framebuffer Scaling (VNC Client) The MirrorLink Client shall support up-scaling to the framebuffer resolution provided in ClientDisplayConfiguration message. The MirrorLink Client shall provide valid VNC Client display width and height [pixel] within the ClientDisplayConfiguration message.

The MirrorLink Client may request a smaller framehuffer resolution from the MirrorLink Server (sending a

Source:
FTSLTS 103 544-2 V1 3.0 (2017-10)
Publicky Available Secrification (PAS): Intelligent Transport Systems (ITS);
MirrorLink®: Part 2: Virtual Network Computing (VNC) based Display and Control

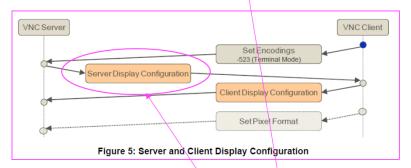
Analyst comment— VNC specification tells how to scale framebuffer resolution of the client (=automobile head unit) and the server (=consumer electronic device) since they are typically different. Typically smartphones have much higher resolution than automobile head units.

a key advisor unit configured to extract the supportable key information from the connection establishment response message and output the supportable key information to the video output unit, wherein the key advisor unit displays on a display screen of the video output unit, if a key configuration mode is activated, keys of the portable device and is configured to receive corresponding keys through the key input unit, and



wherein key values corresponding to the keys of the key input unit match key values of the portable device, and wherein the video information is video data adjusted in resolution by the portable device for the video output unit on the basis of the screen resolution information, and the input key value is mapped to one of key values indicated by the supportable key information of the portable device.

The MirrorLink Client shall provide a display, which allows any CCC drive-certified application to be displayed, while the MirrorLink Client is in drive mode. The MirrorLink Client's minimum resolution shall be 800 x 480 on a screen area of size 133,3 mm x 80 mm at a distance of 900 mm. Applications may adapt to the provided screen details, exceeding the minimum resolution, but are not required to do so.



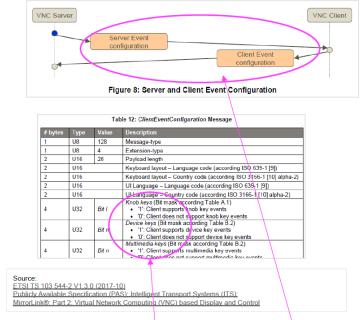
Source:
ETSITS 103-544-2 V1.3.0 (2017-10)
Publiciv Available Specification (PAS): Intelligent Transport Systems (ITS):
Mirrorf ink@ Part 2 Virtual Network Computing (VNC) based Display and Control

Analyst comment – The resolution of a HU has to be minimum 800x480 and the display on each HU has different resolution. The video output unit has to adjust images to fit on the resolution supported by the video output unit to display them properly. The server (=portable unit) communicates the server display configuration to the client and video output unit can scale images based on the screen resolution info supported by the portable unit.



Source: https://www.lelong.com.my/honda-city-2009-dvd-navigation-system-2-mirror-link-oripunva-169902780-2016-11-Sale-P.htm

Analyst comment – As shown in a photo of Honda City 2009 DVD Navigation System with 2 Way MirrorLink, the touch position information in the head unit is mapped to the supportable key information of the portable device such that the touch position information matches key values of the portable device. See next page about key event mapping configured via ClientEventConfiguration message.



Analyst comment – The client (=automobile head unit) and the server (=portable device) exchange supported keys and their events via event configuration messages so that the touch position information in the client can match key values of the portable device.

- 14. Defendant's aforesaid activities have been without authority and/or license from Plaintiff.
- 15. To the extent 35 U.S.C. § 287 is determined to be applicable, Plaintiff is informed and believes its requirements have been satisfied with respect to the '461 patents.
- 16. Plaintiff is entitled to recover from Defendant the damages sustained by Plaintiff as a result of the Defendant's wrongful acts in an amount subject to proof at trial, which, by law, cannot be less than a reasonable royalty, together with interest and costs as fixed by this Court under 35 U.S.C. § 284.

## **JURY DEMAND**

Plaintiff hereby requests a trial by jury pursuant to Rule 38 of the Federal Rules of Civil Procedure.

## PRAYER FOR RELIEF

Plaintiff respectfully requests that the Court find in its favor and against the Defendant, and that the Court grant Plaintiff the following relief:

- A. A judgment in favor of Plaintiff that Defendant has infringed one or more of the claims, directly, jointly, and/or indirectly the '461 patents;
- B. A permanent injunction pursuant to 35 U.S.C. § 283, enjoining Defendant and their officers, directors, agents servants, affiliates, employees, divisions, branches, subsidiaries, parents, and all others acting in active concert therewith from infringement, inducing the infringement of, or contributing to the infringement of the '461 patent, or such other equitable relief the Court determines is warranted;
- C. An award to Plaintiff of damages adequate to compensate Plaintiff for the Defendant's acts of infringement together with pre-judgment and post-judgment interest;
- D. That, should Defendant's acts of infringement be found to be willful from the time that Defendant became aware of the infringing nature of their actions, which is the time of filing of Plaintiff's Original Complaint at the latest, that the Court award treble damages for the period of such willful infringement pursuant to 35 U.S.C. § 284;
- E. Any further relief that this Court deems just and proper.

Dated: November 20, 2018 Respectfully submitted,

By: /s/ Austin Hansley

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ATTORNEY FOR PLAINTIFF DALE PROGRESS LTD.

## **CERTIFICATE OF SERVICE**

I hereby certify that on November 20, 2018, I electronically filed the foregoing document with the clerk of the court for the U.S. District Court, Eastern District of Texas, Marshall Division, using the electronic case filing system of the court. The electronic case filing system sent a "Notice of Electronic Filing" to the attorneys of record who have consented in writing to accept this Notice as service of this document by electronic means. All other attorneys not yet appearing in this case were served via email on November 20, 2018 at 7:35 p.m.

## **Served Via Email**

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