

To: All valued customers of Luvantix SSCP

RE: Korean patents: 10-0500191, 10-1051287 and 10-1003002

We have no issues in supplying our current PC products. In fact, we are not using the patents listed above for the production of our PCs, so these patents are irrelevant to our products.

To begin, let me clarify that there are four entities using the same trade name of “Luvantix.”

1. Luvantix Co. Ltd. (Korean spelling: 루벤틱스) – Original PC technology developer, Registered on Oct. 9, 2001. Transferred the business to SSCP and SSCP USA and it is a dormant corporation now.
2. Luvantix SSCP – Formerly known as SSCP USA Inc., a New Jersey based US corporation, incorporated in June 2006. This was the marketing sales operation for SSCP and Luvantix. Current it engages in polymer clad materials (PC) products manufacturing and marketing in conjunction with the sister company Luvantix ADM in Korea.
3. Luvantix ADM – Manufacturing arm of Luvantix SSCP, a Korean corporation incorporated in June 2013.
4. Luvantix Co. Ltd. (Korean spelling: 루벤틱스) – A newly formed Korean corporation unrelated to above three. Registered with a slightly different Korean spelling in Nov. 2013. Recently purchased some of SSCP’s assets through the court receiver auction.

I am surprised by the allegations from Luvantix Co. Ltd. In March of this year, SSCP patents were auctioned out as a part of the SSCP dissolution process. We (Luvantix SSCP and Luvantix ADM) had reviewed the patents carefully at that time and concluded that it was not worth acquiring them for the reasons listed below. Instead, we decided to file a new set of patents reflecting our current production practices more closely. Two of them have been filed already; (1) 10-2014-0089059 Polysiloxane oligomer based resin compositions for optical fiber cladding, and (2) 10-2014-0089057 Polysiloxane oligomers, Polysiloxane copolymers and the preparation method thereof. Two additional applications are under patent attorney review now. Many will follow soon. We are aggressively developing new patent positions.

### **Reasons why we had decided NOT to acquire SSCP patents.**

1. Most of the SSCP patents expired due to missed patent maintenance fees. In particular, none of the international patents, including above listed 3 patents, survived. The SSCP bankruptcy proceedings detracted attention away from paying the patent maintenance fees.
2. The three still active patents listed above, which are mentioned in the allegations from Luvantix Co. Ltd, are not directly applicable to the manufacturing of the PCs. Those patents were sought as a defensive strategy to prevent anyone else from entering the market with “me-too” products.
3. The inventors of all relevant original patents, which are the basis of our actual production, have remained with our company. More importantly, all the necessary unpublished “know-how” has also stayed within our operations. In fact, Luvantix Co. Ltd. supplied PC products to a Chinese customer, but the products did not work properly. The customer approached us to help them out. Thus, in my opinion, Luvantix Co. Ltd is incapable of producing the PCs and providing

- technical services.
4. The above listed 3 patents call for the use of POFAs and their derivatives. As you may be aware, all POFAs will be banned for commercial use soon. Initially we were told this could happen by 2015. I believe they are already banned in Norway. Please refer to the links below for further information on POFAs.  
<http://www.epa.gov/oppt/pfoa/index.html>
  5. The 8 major POFA raw material manufacturers had decided to stop the PFOA production voluntarily by 2015.  
<http://www.epa.gov/oppt/pfoa/pubs/stewardship>
  6. Thus, even if the PFOA ban is delayed significantly, commercial production of the PFOA-based PC will become very difficult starting from 2015 and beyond, if not impossible.
  7. Given the current situation, we have decided to launch major R&D initiatives for replacing our current products portfolios with a new PFOA-free series, while still keeping all the salient features of the current products so that the new series can be readily adaptable to your current processing window. We have started laboratory sampling already. Our current plan is CI (controlled introduction) in 4Q 2014 and GA (General availability) in 1Q 2015.
  8. We also recognize that the fiber optic lasers world is pushing its technology to ever increasing temperatures. To meet this challenge, we are currently developing a high temperature version of the PC series. Our current plan is laboratory sampling in 4Q 2014, CI in 1Q 2015 and GA in 2Q 2015.
  9. FYI, the attached slide summarizes our current RD activities.

## **Background explanation.**

Upon SSCP's demise, many individuals as well as respected businesses, not to mention Samsung Fine Chemicals, MK Electronics, etc. attempted to alleviate the situation. Unfortunately, all the acquisition efforts failed, including my own. As the result, the Korean bankruptcy court decided to dissolve SSCP. However, the court decision came too slow, dimming hopes to recover the business.

In spite of the hopeless situation, some individuals and former SSCP employees decided to acquire equipment and patents from SSCP. They started Luvantix Co. Ltd. in November, 2014. They acquired the subject 3 patents through court receiver's action in March 2014. This was an asset purchase, not a business acquisition. They tried to force us to purchase the subject patents from them, knowing that the listed patents are desirable, but not essential to us. It appears to me that as we have rejected their offer, they decided to turn again us.

To take advantage of our trade name recognition, they chose the corporate name '루벤틱스', similar to ours, which is '루벤틱스.' Note a very slight difference in the second character. The pronunciations of them are practically identical. In English, both can be spelled as "Luvantix."

Regarding the logo, we have been using the logo you see above for the past 15 years, but we did not register it. They are using our logo recognizing that it is very difficult for us to take any legal action against them for using our logo. This potentially would cause uncontrollable confusion in the marketplace. However, this confusing situation will most likely not last long, since I believe that



Luvantix Co. Ltd. could not be sustainable.

Unfortunately the court receiver decided to stop all production activities related to PC in the middle of the last year. I noticed that many of our customers were suffering intolerably. I urged the original inventors of the PC technology to file a petition on behalf of the customers to allow the continued production of PC from SSCP. They tried, but their efforts were fruitless. Thus, in order to provide PC products to the many customers who were in need, I started Luvantix SSCP in USA and Luvantix ADM in Korea in July 2014. My primary objective was/is/will be an uninterrupted supply of PC to the customers.