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Exhibitor Introduction	<p>About The Hong Kong University of Science and Technology</p> <p>The Hong Kong University of Science and Technology (HKUST) (https://hkust.edu.hk/) is a world-class research-intensive university that focuses on science, technology and business as well as humanities and social science. HKUST offers an international campus, and a holistic and interdisciplinary pedagogy to nurture well-rounded graduates with a global vision, a strong entrepreneurial spirit and innovative thinking. Over 80% of our research work was rated "Internationally excellent" or "world-leading" in the Research Assessment Exercise 2020 of Hong Kong's University Grants Committee. We were ranked 3rd in Times Higher Education's Young University Rankings 2022, and our graduates were ranked 23rd worldwide and among the best universities from Asia in the Global Employability University Ranking and Survey 2021.</p>	

<p>Exhibit Description</p>	<p>Materials and methods of making photo-aligned vertical alignment layer for LCDs</p> <ul style="list-style-type: none">▪ A Vertical alignment (VA) mode is widely adopted for various types of displays due to its high on axis contrast ratio, wide viewing angle and fast response time when compared with other liquid crystal modes such as twisted nematic (TN) or in-plane switching (IPS).▪ The present invention is related to the materials and methods for preparing a vertical alignment layer with preferred azimuthal angle. It is a single layer single exposure process in which vertical polyimide alignment material and photo-aligned material are included. <p>Reverse mode LC/ Polymer smart window</p> <ul style="list-style-type: none">▪ The smart window is transparent when no voltage is applied. It scatters light efficiently upon the application of a suitable voltage. Such electrically switchable light controlling device can be applied to smart windows and transparent displays.▪ The present device is based on a polymer - liquid crystal composite which is sandwiched in between conductive transparent substrates. Central to the invention is a special inhomogeneous alignment surfaces that can greatly enhance light scattering. Reverse mode operation with large viewing angle transparent voltage off state is achieved.
<p>Exhibit Product</p>	<ul style="list-style-type: none">- Materials and methods of making photo-aligned vertical alignment layer for LCDs- Reverse mode LC/ Polymer smart window