

APB Concluded Licensing Agreements with Nissan and Sanyo Chemical for All Polymer Battery technology

APB Corporation ("APB"; Head Office: Chiyoda-ku, Tokyo; President and CEO: Hideaki Horie), developer of the next-generation lithium-ion battery called All Polymer Battery, has signed a licensing agreement with Nissan Motor Co., Ltd ("Nissan") and Sanyo Chemical Industries, Ltd. ("Sanyo Chemical").

APB's current president and CEO, Hideaki Horie, conceived of the elemental technology for All Polymer Battery in the 1990s, and Nissan and Sanyo Chemical have been conducting joint research and development since 2012.

Under the terms of the agreement, **APB acquired the rights to develop, manufacture and sell All Polymer Battery except for automotive applications in Japan and overseas.**

APB will continue to contribute to the creation of innovation in the battery industry by promoting the commercialization of lithium-ion batteries in collaboration with partners in various fields in addition to its own knowledge of All Polymer Battery and this licensed technology.

【Comment by Hideaki Horie, President and CEO APB Corporation】

"We are excited and honored to be bringing incredible technologies and assets of Nissan and Sanyo Chemical into APB. Acquiring the license will enable us to contribute to the development of industrial applications of All Polymer Battery,"

【Characteristics of All Polymer Battery】

All Polymer Battery has a bipolar structure where current flows across the cell interfaces perpendicular to the electrode plane, and polymer as a basic material. The electrode material of All Polymer Battery is wrapped with gel-like polymer containing an electrolytic solution. Through the adoption of such technologies, our All Polymer Battery is characterized by such features as high reliability, high energy density, and innovative manufacturing processes at the same time. With fewer parts needed thanks to bipolar structure and polymer-based constituent material, All Polymer Battery has high flexibility in size and shape of the cells, which will help us to create thicker electrodes and larger cells.

About APB Corporation

Since: October 2018

CEO : Hideaki Horie

Business Area: R&D, production and sales of lithium ion batteries

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