



UBE MAXELL Signs Patent License Agreement with LG Chem for Separator Film Technology

May 16, 2014

TOKYO, May 16, 2014 _ UBE MAXELL CO., LTD. today announced that it has signed a patent license agreement with LG Chem, Ltd. for separator film technology owned by LG Chem. UBE MAXELL is a joint venture between Ube Industries, Ltd. and Hitachi Maxell, Ltd. in the field of coated separator films for lithium-ion batteries.

Under the agreement, UBE MAXELL acquires patent use rights for ceramic coating of separator substrates, which are a key component of lithium-ion batteries.

UBE MAXELL was formed in February 2011 by joint investors Ube Industries and Hitachi Maxell. The company engages in the manufacturing and sales of high-performance coated separator films for lithium-ion batteries used in hybrid and electric vehicles, and lithium-ion batteries for industrial applications.

The patent granted to UBE MAXELL is for LG Chem's Safety Reinforced Separator (SRS[®]) technology, which uses a ceramic coating on separator substrates to enhance the thermal deformation resistance and mechanical strength of separators. This in turn prevents short-circuits inside lithium-ion batteries to ensure lithium-ion battery safety.

The license agreement enables UBE MAXELL to enhance its technology as a leading manufacturer of high-performance coating-type separator films, and will strengthen the company's presence in the market for lithium-ion battery materials.

Details of the license agreement between UBE MAXELL and LG Chem have not been disclosed.

Data of UBE MAXELL CO., LTD.

Company Name	UBE MAXELL CO., LTD.
Address	1 Koizumi, Oyamazaki-cho, Otokuni-gun, Kyoto Prefecture
President and Representative Director	Keiichi Nagata
Business Description	Manufacturing and sales of separator films for lithium-ion batteries
Established	February 2011
Capital Stock	¥150 million
Shareholders	Ube Industries, Ltd.(51%), Hitachi Maxell, Ltd. (49%)

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