



3M and LG Chem Complete NCM Patent License Agreement

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Agreement aims to further expand use of NCM in lithium ion batteries

ST. PAUL, Minn.--(BUSINESS WIRE)--3M and LG Chem have entered into a patent license agreement to further expand the use of nickel, cobalt, manganese (NCM) in lithium ion batteries. Under the agreement, 3M grants LG Chem a license to U.S. Patents 6,660,432, 6,964,828, 7,078,128, 8,685,565 and 8,241,791 and all global equivalents including in Korea, Taiwan, Japan, China and Europe.

NCM cathode compositions offer an outstanding balance of power, energy, thermal stability and low cost. NCM cathode materials can be tailored through changes in composition and morphology to meet a wide range of customer requirements from high-energy handheld consumer electronics to high-power electric vehicles.

"We are pleased to have reached this agreement with 3M," said Kyunghwa Min, vice president of LG Chem IP Center. "This license will give our battery customers confidence in LG's technology and our long-term commitment to the battery industry. The license also opens the door to new opportunities for LG Chem as a supplier of cathode materials to the battery industry."

"LG Chem is a leader in the electric vehicle battery field, and NCM cathode compositions have shown significant benefit in large format applications, like electric vehicles," said Christian Milker, business manager, 3M Electronics Materials Solutions Division. "This license will accelerate the adoption of NCM technology to meet the growing demand for electric vehicles worldwide."

About 3M

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