

# Snell & Wilmer

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**John H. Platt**  


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Re: JakerTech Solid-state Electrolyte Cells with Injection Molding

To Whom It May Concern:

My name is John Platt and I write in support of Marc Jaker and JakerTech. I am a patent attorney at the law firm of Snell & Wilmer L.L.P., with a focus on energy storage patents. I write in my personal capacity, but in full disclosure, I drafted and prosecuted patent applications for JakerTech and I also am the secretary to the Boards of NAATBatt International (a battery industry trade association) and to the Military Power Source Consortium (a military power source trade association). Therefore, in my various capacities, I have had the opportunity to both (1) get to know the JakerTech technology in great detail and (2) become familiar with other alternative energy storage solutions.

I find the technology invented by JakerTech to be innovative and very useful. As opposed to “incremental” innovation, the JakerTech invention is completely different from all the solutions I’ve seen in all my years in the energy storage field, but it takes advantage of well-known background art of injection molding. Not only have patent offices in the US and elsewhere agreed and granted patents on the JakerTech invention, but the practical application of the technology speaks loudly to the need for speeding up initial adoption / further testing of this technology. Injection molding has the advantages of relatively low-cost machinery, rapid construction of manufacturing facilities, the ability to leverage US injection molding capabilities to create high-volume, low-cost cells. Injection molded lithium-ion cells can be safer than current lithium-ion cell technologies, because (for example) there is no liquid electrolyte to burn. Injection molded lithium-ion cells would be most likely to have a relatively higher cycle life (by a large margin). In particular, injection molding nickel-based battery cells with solid-state electrolytes has great potential. Testing thus far has yielded encouraging results and further testing to address improved conductivity (hydroxyl mobility) will be very beneficial to large scale adoption of the injection molded lithium-ion cells.

Please feel free to follow-up with me if you have any questions.

Very truly yours,

Snell & Wilmer



John H. Platt

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